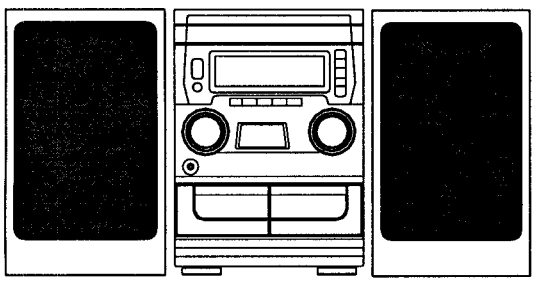
aiwa

aiwa SERVICE

NSX-MA545
NSX-AV540

SERVICE MANUAL



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM : 6ZM-3 PR1NM/2ZM -3MK2 PR4N
- BASIC CD MECHANISM : 4ZG - 1 Z3RDSHM
- TYPE: U,LH

REVISION PUBLISHING

SYSTEM	CD – CASSIVER	SPEAKER
NSX-MA545	CX-NMA545	SX-WNA555
NSX-AV540	CX-NAV540	SX-NS552

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" NSX-MA545 (S/M Code No. 09-98C-323-0T1).
- If requiring information about the CD mechanism,see Service Manual of 4ZG-1 (S/M Code No. 09-983-249-3S2).

S/M Code No. 09–993–401–9R1

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SPECIFICATIONS

Main unit CX-NMA545<U> / CX-NS555<LH>

<FM Tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	13.2 dBf
Antenna terminal	75 ohms (unbalanced)

<MW Tuner section>

Tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
Usable sensitivity	350 uV/m
Antenna	Loop Antenna

<Amplifier section>	<U>
Mid-high frequency amplifier	**Front**
Power output	15W + 15W (200Hz - 20kHz T.H.D. less than 1%,8 ohms)
Total harmonic distortion	0.07%(10W,1kHz,8 ohms,DIN AUDIO)
Low frequency amplifier	35W + 35W (20Hz - 200Hz T.H.D.
Power output	less than 1%,4 ohms)
Total harmonic distortion	0.07%(25W,135Hz,4 ohms,DIN AUDIO)
	Rear (Surround)
	10W + 10W (1kHz T.H.D.less than 1%,8 ohms)
	Center
	20W (1kHz,T.H.D.less than1%,8 ohms)
Inputs	VIDEO / AUX: 300mV (adjustable) MIC : 1.0mV (10 kohms)
Outputs	SPEAKERS HIGH FREQ : 8 ohms or more SPEAKERS LOW FREQ : 4 ohms or more SURROUND SPEAKERS : 8 ohms to16 ohms CENTER SPEAKER : 8 ohms or more PHONES : 32 ohms

<Amplifier section>	<LH>
Power output	**Front** Rated: 48W + 48W (6 ohms,T.H.D. 1%,1kHz) Reference: 60W + 60W (6 ohms,T.H.D. 10%,1kHz)
Total harmonic distortion	0.06%(40W,1kHz,6 ohms,DIN AUDIO)
	Rear (Surround)
	Rated: 10W + 10W (8 ohms,T.H.D. 1%,1kHz) Reference: 12.5W +12.5W (8 ohms,T.H.D.10%,1kHz)
	Center
	Rated: 20W (8 ohms,T.H.D.1%,1kHz) Reference: 25W (8 ohms,T.H.D. 10%,1kHz)
Inputs	VIDEO / AUX: 300mV (adjustable) MIC : 1.0mV (10 kohms)
Outputs	SPEAKERS : 6 ohms or more SURROUND SPEAKERS : 8 ohms to16 ohms CENTER SPEAKER : 8 ohms or more PHONES : 32ohms

<Cassette deck section>

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 15000 Hz
Recording system	AC bias
Heads	Deck 1 : Playback head x 1 Deck 2 : Recording/playback/erase head x 1

<Compact disc player section>

Laser	Semiconductor laser (λ =780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1kHz,0dB)
Harmonic distortion	0.05% (1kHz,0dB)

<General>	<U>
Power requirements	120V AC, 60Hz
Power consumption	170 W
Dimensions of main unit (W x H x D)	260 x 330 x 355 mm ($10^{1}/_{4}$ x 13 x 14 in.)
Weight of main unit	8.1 kg

<General>	<LH>
Power requirements	120V/220 - 230V/240V AC switchable,50/60Hz
Power consumption	205 W
Dimensions of main unit (W x H x D)	260 x 330 x 355 mm
Weight of main unit	8.9 kg

Speaker system SX-WNA555

Cabinet type	2 way, subwoofer (magnetic shielded type)
Speakers	Subwoofer : 160 mm cone type Full range : 100 mm cone type
Impedance	4 ohms/8 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	240 x 324 x 275 mm ($9^{1}/_{2}$ x $12^{7}/_{8}$ x $10^{7}/_{8}$ in.)
Weight	4.8 kg

Speaker system SX-NS552

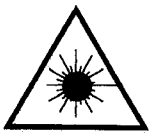
Cabinet type	3 way, bass reflex (magnetic shielded type)
Speakers	Woofer : 160 mm cone type Tweeter : 50 mm cone type Super tweeter : 20 mm ceramic type
Impedance	6 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	234 x 324 x 270 mm
Weight	3.4 kg

• Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserståling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

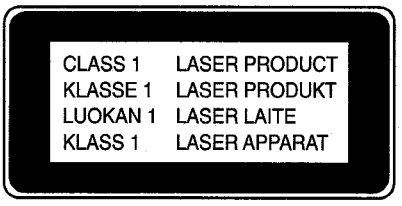
VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!
Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



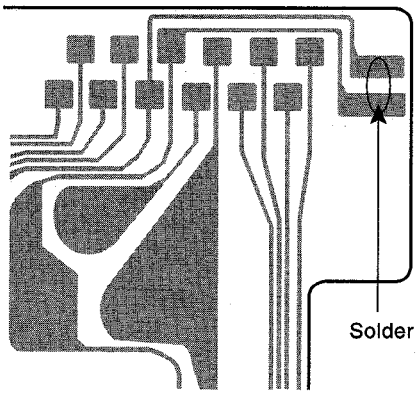
Precaution to replace Optical block

(KSS – 213F)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in right figure.

PICK-UP Assy P.C.B



NOTE ON BEFORE STARTING REPAIR

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, the secondary defect can occur.
In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

① Remove the AC power cord.
② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
⑤ Check that voltage across C101 and C102 has decreased 1 V or less using a multimeter or an oscilloscope.

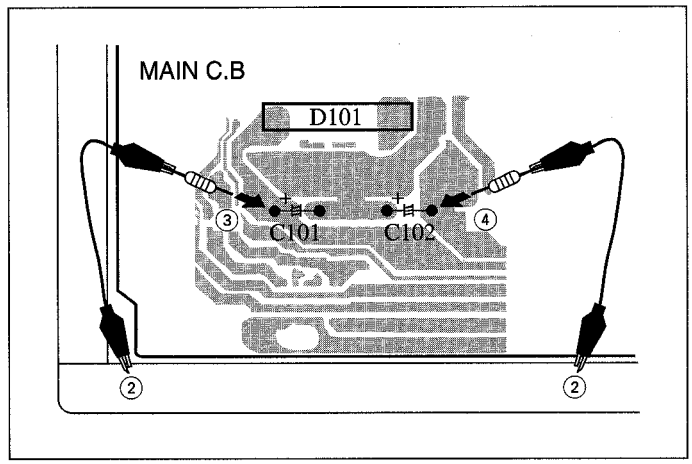


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is "H", the MICROCOMPUTER is judged to be operating correctly. When this terminal is "L", the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.
When the MICROCOMPUTER is not defective, the HOLD terminal can also go "L" when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to "L".

- Good or no good judgement of the MICROCOMPUTER

① Turn on the AC main power.
② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the "H" level or not.
③ When the HOLD terminal is "L" level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

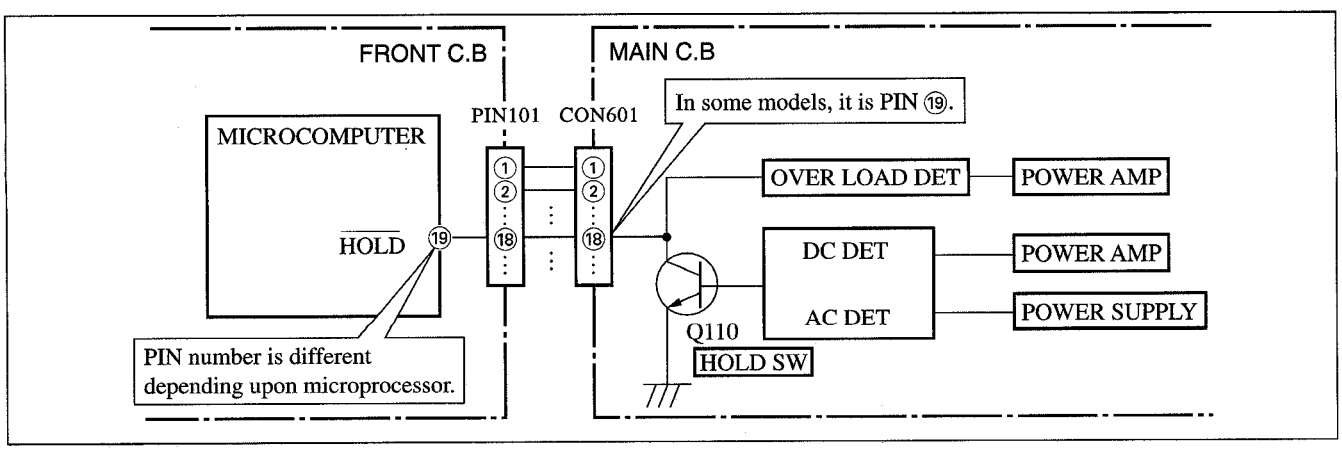


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.
When the above described phenomenon occurs, it can leads to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

① Remove the AC power cord.

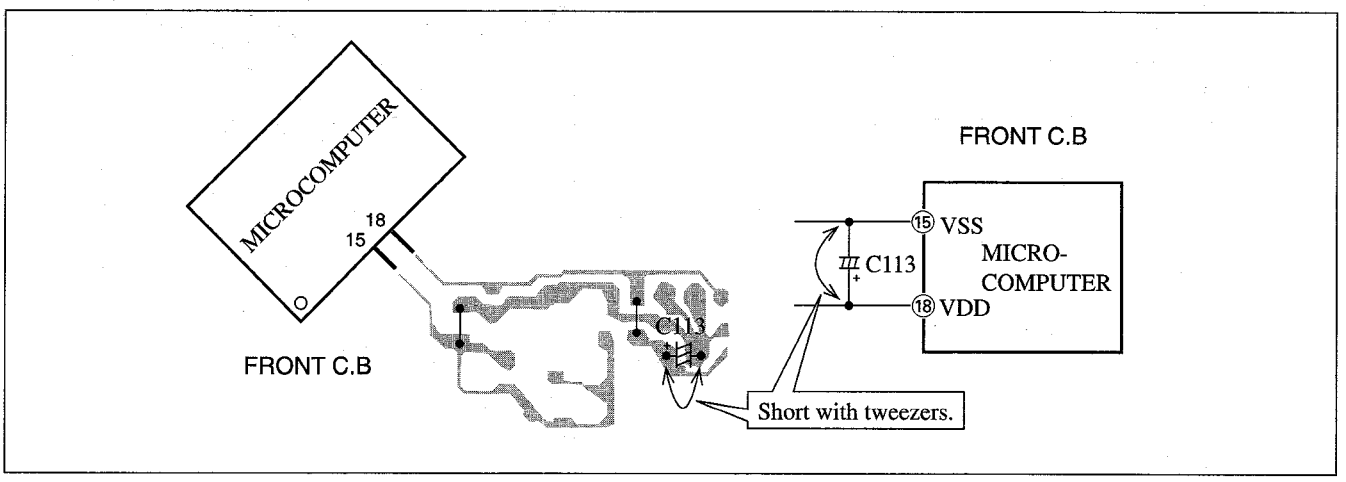


Fig-2-2

② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC			
	8Z-NF8-602-010		IC,UPD780228GF-031-3BA
	87-A20-914-010		IC,SPS-442-1-F
	87-A21-021-040		C-IC,BU2099FV
	87-A21-023-040		C-IC,BA3835F
	87-A21-023-040		IC,BA7762AFS
	87-A21-202-040		C-IC,M62445AFP
	87-A21-097-040		C-IC,M62463AFP
	87-070-127-110		IC,LC72131 D
	87-A20-913-010		IC,LA1837NL
	87-A21-023-040		C-IC,BU4551BF<U>
	87-020-454-010		IC,DN 6851
TRANSISTOR			
	87-026-245-080		TR,DTC114ES
	87-026-609-080		TR,KTA1266GR
	87-026-610-080		TR,KTC3198GR
	87-A30-076-080		C-TR,2SC3052F
	87-A30-075-080		C-TR,2SA1235F
	87-A30-196-080		TR,2SC4115SRS
	87-A30-198-080		TR,KTC3199GR
	87-A30-087-080		C-FET,2SK2158
	87-A30-257-080		C-TR,2SD1306E
	87-A30-073-080		C-TR,RT1N 141C
	87-A30-190-080		TR,CC5551
	87-A30-106-070		C-TR,CMBT5551
	89-212-370-080		TR,2SB1237TV2
	87-A30-105-080		C-TR,RT1P 441C
	87-A30-074-080		C-TR,RT1P 141C
	87-A30-119-080		C-TR,2SC3906K R
	87-A30-240-080		TR,CSA1585BC
	87-A30-072-080		C-TR,RT1P144C
	87-A30-214-010		TR,2SB1344
	87-A30-215-010		TR,2SD2025
	87-A30-098-010		TR,FP1016<LH>
	89-213-702-010		TR,2SB1370E
	87-A30-097-010		TR,FN1016<LH>
	87-026-463-080		TR,2SA933S
	87-A30-107-070		C-TR,CMBT5401
	87-A30-256-010		TR,2SD1933
	87-A30-255-010		TR,2SB1342
	87-A30-142-040		C-TR,DTA123EK
	87-A30-086-070		C-TR,CSD1306E
	89-327-143-080		C-TR,2SC2714
DIODE			
	87-017-654-060		DIODE,GBU6J
	87-070-274-080		DIODE,1N4003 SEM
	87-017-447-010		DIODE, GBU4DL 6419
	87-A40-341-080		ZENER,MTZJ 36 A
	87-020-465-080		DIODE,1SS133 (110MA)
	87-A40-345-080		ZENER,MTZJ10C
	87-A40-270-080		C-DIODE,MC2838
	87-A40-269-080		C-DIODE,MC2836
	87-A40-509-080		ZENER,MTZJ6.8C
	87-A40-488-080		DIODE,1SS244
	87-017-932-080		ZENER,MTJ6.2B
	87-070-136-080		ZENER,MTZJ5.1B
	87-A40-438-080		ZENER,MTZJ4.7A
	87-A40-002-080		ZENER,MTZJ5.1C
	87-A40-442-080		ZENER,MTZJ9.1A
	87-A40-234-080		ZENER,MTZJ5.6A
	87-A40-383-080		ZENER,MTZJ30A
MAIN C.B			
C1	87-012-369-080		C-CAP,S 0.047-50F
C2	87-012-369-080		C-CAP,S 0.047-50F
C3	87-012-368-080		C-CAP,S 0.1-50 F
C4	87-012-368-080		C-CAP,S 0.1-50 F
C5	87-012-368-080		C-CAP,S 0.1-50 F
C6	87-012-368-080		C-CAP,S 0.1-50 F
C9	87-016-658-090		CAP,E 4700-35 SMG
C10	87-016-658-090		CAP,E 4700-35 SMG
C21	87-010-385-080		CAP, ELECT 220-25V
C22	87-010-385-080		CAP, ELECT 220-25V
C23	87-010-247-080		CAP, ELECT 100-50V
C24	87-010-247-080		CAP, ELECT 100-50V
C25	87-010-430-080		CAP, ELECT 100-63
C26	87-010-263-080		CAP, ELECT 100-10V
C27	87-012-140-080		C-CAP,S 470P-50 J CH
C28	87-010-263-080		CAP, ELECT 100-10V<U>
C29	87-010-247-080		CAP, ELECT 100-50V
C30	87-010-112-080		CAP, ELECT 100-16V
C31	87-010-235-080		CAP,E 470-16 SME
C33	87-010-405-080		CAP, ELECT 10-50V
C34	87-010-405-080		CAP, ELECT 10-50V
C61	87-010-260-080		CAP, ELECT 47-25V
C62	87-010-496-080		CAP,E 3.3-50 5L
C91	87-010-401-080		CAP, ELECT 1-50V
C92	87-010-248-080		CAP, ELECT 220-10V
C93	87-010-380-080		CAP, ELECT 47-16V
C101	87-010-178-080		C-CAP,S 1000P-50 K B<U>
C101	87-010-182-080		C-CAP,S 2200P-50 K B<LH>
C102	87-010-178-080		C-CAP,S 1000P-50 K B<U>
C102	87-010-182-080		C-CAP,S 2200P-50 K B<LH>
C105	87-010-186-080		C-CAP,S 4700P-50 K B<LH>
C106	87-010-186-080		C-CAP,S 4700P-50 K B<LH>
C107	87-010-404-080		CAP, ELECT 4.7-50V<LH>
C108	87-010-404-080		CAP, ELECT 4.7-50V<LH>
C109	87-010-322-080		C-CAP,S 100P-50 CH<LH>
C110	87-010-322-080		C-CAP,S 100P-50 CH<LH>
C111	87-010-260-080		CAP,E 47-25 M<LH>
C112	87-010-260-080		CAP,E 47-25 M<LH>
C113	87-A10-812-080		C-CAP,S 220P-200 J<LH>
C114	87-A10-812-080		C-CAP,S 220P-200 J<LH>
C117	87-016-247-080		C-CAP, 0.1-50 Z F<LH>
C118	87-016-247-080		C-CAP, 0.1-50 Z F<LH>
C121	87-010-178-080		C-CAP,S 1000P-50 K B<LH>
C122	87-010-178-080		C-CAP,S 1000P-50 K B<LH>
C123	87-010-176-080		C-CAP,S 680P-50 J SL
C124	87-010-176-080		C-CAP,S 680P-50 J SL
C125	87-012-368-080		C-CAP,S 0.1-50 F
C126	87-012-368-080		C-CAP,S 0.1-50 F
C127	87-012-368-080		C-CAP,S 0.1-50 F
C128	87-012-368-080		C-CAP,S 0.1-50 F
C129	87-010-191-080		C-CAP,S 0.015-50 Z F
C130	87-010-191-080		C-CAP,S 0.015-50 Z F
C131	87-010-197-080		C-CAP,S 0.01-25 K B
C132	87-010-197-080		C-CAP,S 0.01-25 K B
C133	87-010-197-080		C-CAP,S 0.01-25 K B<LH>
C134	87-010-553-080		CAP,E 47-16
C201	87-010-402-080		CAP, ELECT 2.2-50V
C202	87-010-402-080		CAP, ELECT 2.2-50V
C203	87-010-182-080		C-CAP,S 2200P-50 B
C204	87-010-182-080		C-CAP,S 2200P-50 B
C209	87-010-404-080		CAP, ELECT 4.7-50<LH>
C210	87-010-404-080		CAP, ELECT 4.7-50<LH>
C213	87-010-404-080		CAP, ELECT 4.7-50<LH>
C215	87-010-322-080		C-CAP,S 100P-50 CH<LH>
C216	87-010-322-080		C-CAP,S 100P-50 CH<LH>
C219	87-A10-946-080		C-CAP,S 220P-100 J CH<LH>
C220	87-A10-946-080		C-CAP,S 220P-100 J CH<LH>
C225	87-012-368-080		C-CAP,S 0.1-50 Z F<LH>
C226	87-012-368-080		C-CAP,S 0.1-50 Z F<LH>
C227	87-010-186-080		C-CAP,S 4700P-50 K B<LH>
C228	87-010-186-080		C-CAP,S 4700P-50 K B<LH>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C229	87-010-993-080		C-CAP,S 0.056-25 B
C230	87-010-993-080		C-CAP,S 0.056-25 B<U>
C231	87-010-196-080		C-CAP,S 0.01-25 Z F
C232	87-010-196-080		C-CAP,S 0.01-25 Z F<U>
C233	87-015-819-080		C-CAP,0.01-50 K B
C234	87-015-819-080		C-CAP,0.01-50 K B<U>
C237	87-010-322-080		C-CAP,S 100P-50 CH
C238	87-010-322-080		C-CAP,S 100P-50 CH<U>
C239	87-010-196-080		C-CAP,S 0.1-25 Z F
C251	87-010-402-080		CAP, ELECT 2.2-50V<U>
C252	87-010-184-080		C-CAP,S 3300P-50 B<U>
C301	87-010-318-080		C-CAP,S 47P-50 CH
C302	87-010-318-080		C-CAP,S 47P-50 CH
C303	87-012-157-080		C-CAP,S 330P-50 CH
C304	87-012-157-080		C-CAP,S 330P-50 CH
C305	87-012-145-080		C-CAP,S 270P-50 J CH
C306	87-012-145-080		C-CAP,S 270P-50 J CH
C307	87-010-196-080		C-CAP,S 0.1-25 Z F
C309	87-010-196-080		C-CAP,S 0.1-25 Z F
C310	87-010-196-080		C-CAP,S 0.1-25 Z F
C311	87-010-198-080		C-CAP,S 0.022-25 K B
C312	87-010-198-080		C-CAP,S 0.022-25 K B
C313	87-010-180-080		C-CAP,S 1500P-50 B
C314	87-010-180-080		C-CAP,S 1500P-50 B
C315	87-010-179-080		C-CAP,S 1200P-50 K B
C316	87-010-179-080		C-CAP,S 1200P-50 K B
C321	87-012-142-080		CAP, S 0.33-16
C322	87-012-142-080		CAP, S 0.33-16
C324	87-010-260-080		CAP, ELECT 47-25V
C325	87-010-370-080		CAP,E 330-6.3 SME
C327	87-010-404-080		CAP, ELECT 4.7-50V
C328	87-010-404-080		CAP, ELECT 4.7-50V
C332	87-010-196-080		C-CAP,S 0.1-25 Z F
C335	87-010-401-080		CAP, ELECT 1-50V
C336	87-010-401-080		CAP, ELECT 1-50V
C337	87-010-196-080		C-CAP,S 0.1-25 Z F
C339	87-010-196-080		C-CAP,S 0.1-25 Z F
C340	87-010-196-080		C-CAP,S 0.1-25 Z F
C351	87-012-140-080		C-CAP,S 470P-50 J CH
C352	87-012-140-080		C-CAP,S 470P-50 J CH
C354	87-010-175-080		C-CAP,S 560P-50 J SL
C355	87-012-349-080		C-CAP,S 1000P-50 CH
C356	87-010-260-080		CAP, ELECT 47-25V
C357	87-010-197-080		C-CAP,S 0.01-25 K B
C358	87-010-183-080		C-CAP,S 2700P-50 B
C359	87-010-183-080		C-CAP,S 2700P-50 B
C360	87-010-183-080		C-CAP,S 2700P-50 B
C370	87-010-196-080		C-CAP,S 0.1-25 Z F
C373	87-016-083-080		C-CAP,S 0.15-16 RK
C374	87-016-083-080		C-CAP,S 0.15-16 RK
C378	87-010-196-080		C-CAP,S 0.1-25 Z F
C379	87-010-382-080		CAP, ELECT 22-25V
C380	87-010-382-080		CAP, ELECT 22-25V
C386	87-010-196-080		C-CAP,S 0.1-25 Z F
C388	87-012-156-080		C-CAP,S 220P-50 CH
C391	87-010-319-080		C-CAP,S 56P-50 CH
C392	87-010-319-080		C-CAP,S 56P-50 CH
C393	87-010-319-080		C-CAP,S 56P-50 CH
C394	87-010-319-080		C-CAP,S 56P-50 CH
C413	87-010-404-080		CAP, ELECT 4.7-50V
C451	87-010-401-080		CAP,E 1-50 M
C452	87-010-401-080		CAP,E 1-50 M
C455	87-010-196-080		C-CAP,S 0.1-25 Z F<U>
C456	87-012-158-080		C-CAP,S 390P-50 CH<U>
C457	87-010-196-080		C-CAP,S 0.1-25 Z F<U>
C458	87-010-196-080		C-CAP,S 0.1-25 Z F<U>
C467	87-010-196-080		C-CAP,S 0.1-25 Z F<U>
C467	87-010-805-080		C-CAP,S 1-16 Z F<LH>
C601	87-010-180-080		C-CAP,S 1500P-50 K B
C602	87-010-180-080		C-CAP,S 1500P-50 K B
C605	87-010-318-080		C-CAP,S 47P-50 J CH
C606	87-010-318-080		C-CAP,S 47P-50 J CH
C612	87-010-322-080		C-CAP,S 100P-50 J CH
C613	87-016-081-080		C-CAP,S 0.1-16 RK
C614	87-016-081-080		C-CAP,S 0.1-16 RK
C619	87-010-185-080		C-CAP,S 3900P-50 B
C620	87-010-185-080		C-CAP,S 3900P-50 B
C621	87-010-401-080		CAP, ELECT 1-50V
C622	87-010-401-080		CAP, ELECT 1-50V
C627	87-010-196-080		CHIP CAPACITOR,0.1-25
C628	87-010-322-080		C-CAP,S 100P-50 J CH
C629	87-010-405-080		CAP, ELECT 10-50V
C630	87-010-213-080		C-CAP,S 0.015-50 B
C631	87-010-992-080		C-CAP,S 0.047-25 B
C632	87-010-263-080		CAP, ELECT 100-10V
C633	87-010-263-080		CAP, ELECT 100-10V
C634	87-010-196-080		C-CAP,S 0.1-25 Z F
C635	87-010-196-080		C-CAP,S 0.1-25 Z F
C636	87-010-992-080		C-CAP,S 0.047-25 B
C637	87-010-183-080		C-CAP,S 2700P-50 B
C638	87-010-314-080		C-CAP,S 22P-50 B
C639	87-010-314-080		C-CAP,S 22P-50 B
C641	87-010-196-080		C-CAP,S 0.1-25 Z F
C677	87-010-196-080		C-CAP,S 0.1-25 Z F<LH>
C678	87-010-196-080		C-CAP,S 0.1-25 Z F
C731	87-010-560-080		CAP,E 10-50 GAS
C732	87-010-196-080		CHIP CAPACITOR,0.1-25
C733	87-010-196-080		CHIP CAPACITOR,0.1-25
C734	87-012-157-080		C-CAP,S 330P-50 CH
C735	87-010-178-080		C-CAP,S 1000P-50 K B
C736	87-010-196-080		CHIP CAPACITOR,0.1-25<U>
C801	87-010-176-080		C-CAP,S 680P-50 SL
C802	87-010-176-080		C-CAP,S 680P-50 SL
C803	87-010-958-080		CHIP -CAP,S 0.01-25BJ
C804	87-010-958-080		CHIP -CAP,S 0.01-25BJ
C805	87-010-958-080		CHIP -CAP,S 0.01-25BJ
C806	87-010-958-080		CHIP -CAP,S 0.01-25BJ
C807	87-010-401-080		CAP, ELECT 1-50V
C808	87-010-401-080		CAP, ELECT 1-50V
C809	87-010-196-080		C-CAP,S 0.1-25 Z F
C810	87-010-112-080		CAP, ELECT 100-16V
C811	87-010-495-080		CAP,E2.2-50
C812	87-010-495-080		CAP,E2.2-50
C813	87-010-401-080		CAP, ELECT 1-50V
C814	87-010-494-080		CAP ELECT GAS 1/50
C815	87-010-492-080		CAP,E 0.33-50 M 5L SRE
C816	87-010-492-080		CAP,E 0.33-50 M 5L SRE
C817	87-010-221-080		CAP, ELECT 470-10V
C818	87-010-404-080		CAP, ELECT 4.7-50V
C819	87-A10-800-080		C-CAP,S 6800P-16 J B CM
C820	87-010-374-080		CAP, ELECT 47-10V
C821	87-010-196-080		C-CAP,S 0.1-25 Z F
C822	87-010-196-080		C-CAP,S 0.1-25 Z F
C824	87-010-374-080		CAP, ELECT 47-10V
C825	87-010-196-080		C-CAP,S 0.1-25 Z F
C829	87-010-544-080		CAP, ELECT 0.1-50V
C830	87-012-142-080		CAP, S 0.33-16
C831	87-010-971-080		C-CAP,S 4700P-50 B J
C832	87-012-349-080		C-CAP,S 1000P-50 CH
C833	87-A10-793-080		C-CAP,S 0.12-16 K B
C834	87-A10-182-080		C-CAP,S 0.27-16 J B
C835	87-A10-182-080		C-CAP,S 0.27-16 J B
C836	87-A10-793-080		C-CAP,S 0.12-16 K B
C837	87-010-971-080		C-CAP,S 4700P-50 B J
C838	87-012-349-080		C-CAP,S 1000P-50 CH
C839	87-010-805-080		CAP, S 1-16
C840	87-010-401-080		CAP, ELECT 1-50V
C841	87-A10-799-080		C-CAP,S 5600P-16 J B CM
C842	87-A10-802-080		C-CAP,S 0.047-16 J B CM
C843	87-A10-229-080		C-CAP,S 0.68-10 K W5

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C844	87-012-393-080		C-CAP,S 0.22-16 R K
C845	87-012-393-080		C-CAP,S 0.22-16 R K
C846	87-010-404-080		CAP, ELECT 4.7-50V
C847	87-010-404-080		CAP, ELECT 4.7-50V
C848	87-012-393-080		C-CAP,S 0.22-16 R K
C849	87-012-393-080		C-CAP,S 0.22-16 R K
C850	87-016-081-080		C-CAP,S 0.1-16 RK
C851	87-A10-802-080		C-CAP,S 0.047-16 J B CM
C852	87-A10-802-080		C-CAP,S 0.047-16 J B CM
C853	87-016-081-080		C-CAP,S 0.1-16 RK
C854	87-016-081-080		C-CAP,S 0.1-16 RK
C855	87-A10-801-080		C-CAP,S 0.022-16 J B CM
C856	87-A10-801-080		C-CAP,S 0.022-16 J B CM
C857	87-016-081-080		C-CAP,S 0.1-16 RK
C878	87-010-401-080		CAP, ELECT 1-50V
C898	87-012-361-080		C-CAP,S 0.056-25 Y
C899	87-010-196-080		C-CAP,S 0.1-25 Z F
C900	87-010-196-080		C-CAP,S 0.1-25 Z F
CN001	87-A60-739-010		CONN,13P JL-BT<U>
CN091	87-A60-109-010		CONN,2P V S2M-2W
CN092	87-A60-109-010		CONN,2P V S2M-2W
CN201	87-A60-739-010		CONN,13P JL-BT<U>
CN203	8Z-NFV-616-010		CONN,ASSY 2P<U>
CNA202	8Z-NFV-615-010		CONN,ASSY 2P<U>
CN301	87-099-827-010		CONN,3P S2M-3W
CN351	87-099-832-010		CONN,8P S2M-8W
CN601	87-099-719-010		CONN,30P TYK-B(X)
CN602	87-A60-131-010		CONN,6P V FE
CN604	87-099-570-010		CONN,13P TUC-P13P-B1
J202	87-A60-483-010		JACK,DIA6.3 BLK ST W/S KM
J203	87-033-240-010		TERMINAL,SP 4P32SV1-05
J204	87-A60-752-010		JACK,PIN 4P R/W,O/B
J603	87-099-625-010		JACK PIN 4P,RVS (KM)
L101	87-003-383-010		COIL,1UH-S
L102	87-003-383-010		COIL,1UH-S
L201	87-003-383-010		COIL,1UH-S
L202	87-003-383-010		COIL,1UH-S<U>
L301	87-A50-049-010		COIL,TRAP 85K(COI)
L302	87-A50-049-010		COIL,TRAP 85K(COI)
L351	87-007-342-010		COIL,OSC 85K BIAS
L801	87-003-383-010		COIL,1UH-S<U>
R20	87-A00-261-080		RES,M/F 0.56-1W
R129	87-A00-257-080		RES,M/F 0.15-1W<LH>
R130	87-A00-257-080		RES,M/F 0.15-1W<LH>
R131	87-A00-257-080		RES,M/F 0.15-1W<LH>
R132	87-A00-257-080		RES,M/F 0.15-1W<LH>
R165	87-A00-257-080		RES,M/F 0.15-1W<LH>
R166	87-A00-257-080		RES,M/F 0.15-1W<LH>
R143	87-A00-440-080		RES,M/F 220-1/2W
R144	87-A00-440-080		RES,M/F 220-1/2W
R145	87-A00-440-080		RES,M/F 220-1/2W
R146	87-A00-440-080		RES,M/F 220-1/2W
R231	87-A00-258-080		RES,M/F 0.22-1W<LH>
R232	87-A00-258-080		RES,M/F 0.22-1W<LH>
R233	87-A00-258-080		RES,M/F 0.22-1W<LH>
R234	87-A00-258-080		RES,M/F 0.22-1W<LH>
R265	87-A00-258-080		RES,M/F 0.22-1W<LH>
R266	87-A00-258-080		RES,M/F 0.22-1W<LH>
R807	87-022-214-080		C-RES S100K-1/10WF
SFR351	87-024-356-080		SFR,47K DIA6 H
SFR352	87-024-356-080		SFR,47K DIA6 H
TH101	87-A91-042-080		C-THMS,100K 55001<LH>
TH102	87-A91-042-080		C-THMS,100K 55001<LH>
TH201	87-A91-042-080		C-THMS,100K 55001<LH>
TH202	87-A91-042-080		C-THMS,100K 55001<LH>
WH001	87-A90-510-010		HLDR,WIRE 2.5-9P

FRONT C.B

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C201	87-012-156-080		C-CAP,S 220P-50 CH
C202	87-010-322-080		C-CAP,S 100P-50 CH
C203	87-010-322-080		C-CAP,S 100P-50 CH
C204	87-010-322-080		C-CAP,S 100P-50 CH
C205	87-010-322-080		C-CAP,S 100P-50 CH
C206	87-010-322-080		C-CAP,S 100P-50 CH
C207	87-010-322-080		C-CAP,S 100P-50 CH
C208	87-010-322-080		C-CAP,S 100P-50 CH
C209	87-010-322-080		C-CAP,S 100P-50 CH
C210	87-010-322-080		C-CAP,S 100P-50 CH
C211	87-010-322-080		C-CAP,S 100P-50 CH
C251	87-015-699-040		CAP,E 10-50 7L
C252	87-010-198-080		CAP, CHIP 0.022
C254	87-010-194-080		CAP, CHIP 0.047
C255	87-A10-586-040		CAP,E 47-35 7L SR
C256	87-015-699-040		CAP,E 10-50 7L
C259	87-015-699-040		CAP,E 10-50 7L
C260	87-010-198-080		CAP, CHIP 0.022
C262	87-010-196-080		CHIP CAPACITOR,0.1-25
C301	87-010-182-080		C-CAP,S 2200P-50 B
C302	87-010-182-080		C-CAP,S 2200P-50 B
C311	87-010-194-080		CAP, CHIP 0.047
C313	87-010-196-080		CHIP CAPACITOR,0.1-25
C314	87-010-194-080		CAP, CHIP 0.047
C321	87-010-196-080		CHIP CAPACITOR,0.1-25
C323	87-010-248-040		CAP,E 220-10 SME
C324	87-010-194-080		CAP, CHIP 0.047
C331	87-010-196-080		CHIP CAPACITOR,0.1-25
C332	87-010-178-080		CHIP CAP 1000P
C333	87-012-140-080		CAP 470P
C334	87-010-312-080		C-CAP,S 15P-50 CH
C335	87-012-140-080		CAP 470P
C336	87-010-196-080		CHIP CAPACITOR,0.1-25
C337	87-010-196-080		CHIP CAPACITOR,0.1-25
C338	87-012-155-080		C-CAP 180P-50CH
C339	87-012-156-080		C-CAP,S 220P-50 CH
C340	87-010-197-080		CAP, CHIP 0.01 DM
C401	87-010-197-080		CAP, CHIP 0.01 DM
C451	87-010-196-080		CHIP CAPACITOR,0.1-25
C452	87-010-196-080		CHIP CAPACITOR,0.1-25
C453	87-010-196-080		CHIP CAPACITOR,0.1-25
C454	87-010-196-080		CHIP CAPACITOR,0.1-25
C455	87-010-196-080		CHIP CAPACITOR,0.1-25
C456	87-012-158-080		C-CAP,S 390P-50 CH
C457	87-010-196-080		CHIP CAPACITOR,0.1-25
C502	87-010-186-080		CAP, CHIP 4700P
C503	87-010-112-040		CAP,E 100-16
C504	87-010-405-040		CAP,E 10-50
C505	87-010-546-040		CAP,E 0.33-50
C506	87-010-320-080		C-CAP,S 68P-50 CH
C507	87-010-544-040		CAP,E 0.1-50
C508	87-010-178-080		C-CAP,S 1000P-50 K
C509	87-010-544-040		CAP,E 0.1-50
C601	87-010-196-080		CHIP CAPACITOR,0.1-25
C602	87-010-322-080		C-CAP,S 100P-50 CH
C603	87-010-322-080		C-CAP,S 100P-50 CH
C604	87-010-322-080		C-CAP,S 100P-50 CH
C701	87-010-196-080		CHIP CAPACITOR,0.1-25
CON101	87-099-720-010		CONN,30P TYK-B(P)
CON102	87-099-015-010		CONN,13P 6216V
CON301	87-099-013-010		CONN,11P 6216 V<U>
CON301	87-099-017-010		CONN,15P 6216 V<LH>
EMI201	87-008-372-080		FILTER, EMI BL OIRNI
EMI202	87-008-372-080		FILTER, EMI BL OIRNI
EMI701	87-A50-322-080		C-COIL,S BK2125 LM252
FL401	8Z-NH8-603-010		FL,BJ674GNK
J501	87-A60-651-010		JACK,3.5 MONO
L331	87-A50-434-010		COIL,CLK 4.19M(TOKO)
LED311	87-A40-317-080		LED,SLR-342VCT31 RED
LED601	87-A40-619-040		LED,SLR-56PT-T31-W GRN

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
LED602	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED603	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED604	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED605	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED606	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED607	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED608	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED609	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED610	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED611	87-A40-619-080		LED,SLR-56PT-TE7-W GRN<LH>
LED612	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED613	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED614	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED631	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED632	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED633	87-A40-619-040		LED,SLR-56PT-T31-W GRN
LED634	87-A40-619-040		LED,SLR-56PT-T31-W GRN
SW401	87-A91-024-080		SW,TACT KSH0611BT
SW402	87-A91-024-080		SW,TACT KSH0611BT
SW403	87-A91-024-080		SW,TACT KSH0611BT
SW404	87-A91-024-080		SW,TACT KSH0611BT
SW405	87-A91-024-080		SW,TACT KSH0611BT
SW406	87-A91-024-080		SW,TACT KSH0611BT
SW407	87-A91-024-080		SW,TACT KSH0611BT
SW408	87-A91-024-080		SW,TACT KSH0611BT
SW409	87-A91-024-080		SW,TACT KSH0611BT
SW410	87-A91-024-080		SW,TACT KSH0611BT
SW411	87-A91-024-080		SW,TACT KSH0611BT
SW412	87-A91-024-080		SW,TACT KSH0611BT
SW413	87-A91-024-080		SW,TACT KSH0611BT
SW414	87-A91-024-080		SW,TACT KSH0611BT
SW415	87-A91-024-080		SW,TACT KSH0611BT
SW416	87-A91-024-080		SW,TACT KSH0611BT
SW417	87-A91-024-080		SW,TACT KSH0611BT
SW418	87-A91-024-080		SW,TACT KSH0611BT
SW419	87-A91-024-080		SW,TACT KSH0611BT
SW420	87-A91-024-080		SW,TACT KSH0611BT
SW421	87-A91-024-080		SW,TACT KSH0611BT
SW422	87-A91-024-080		SW,TACT KSH0611BT
SW423	87-A91-024-080		SW,TACT KSH0611BT
SW424	87-A91-024-080		SW,TACT KSH0611BT
SW425	87-A91-024-080		SW,TACT KSH0611BT
SW426	87-A91-024-080		SW,TACT KSH0611BT
SW427	87-A91-024-080		SW,TACT KSH0611BT
SW428	87-A91-024-080		SW,TACT KSH0611BT<LH>
SW434	87-A91-024-080		SW,TACT KSH0611BT
SW252	87-A90-535-010		SW,RTRY EC16B24304
SW253	87-A90-950-010		SW,RTRY EC12E12504 ENCORDER
VR501	87-NB7-602-010		VR,RTRY 10KAX1

AMP C.B<U>

C101	87-010-405-080		CAP, ELECT 10-50V
C102	87-010-405-080		CAP, ELECT 10-50V
C199	87-010-197-080		CAP, CHIP 0.01 DM
C203	87-010-405-080		CAP, ELECT 10-50V
C204	87-010-405-080		CAP, ELECT 10-50V
C207	87-010-408-080		CAP, ELECT 47-50V
C208	87-010-408-080		CAP, ELECT 47-50V
C211	87-010-260-080		CAP, ELECT 47-25V
C212	87-010-260-080		CAP, ELECT 47-25V
C213	87-A10-812-080		C-CAP,S 220P-200 J CH
C214	87-A10-812-080		C-CAP,S 220P-200 J CH
C219	87-016-247-080		C-CAP, 0.1-50 F
C220	87-016-247-080		C-CAP, 0.1-50 F
C221	87-010-178-080		CHIP CAP 1000P
C222	87-010-178-080		CHIP CAP 1000P
C303	87-010-404-080		CAP, ELECT 4.7-50V
C304	87-010-404-080		CAP, ELECT 4.7-50V
C307	87-010-403-080		CAP, ELECT 3.3-50V
C308	87-010-403-080		CAP, ELECT 3.3-50V
C309	87-010-322-080		C-CAP,S 100P-50 J CH
C310	87-010-322-080		C-CAP,S 100P-50 J CH
C311	87-A10-946-080		C-CAP,S 220P-100 J CH
C312	87-A10-946-080		C-CAP,S 220P-100 J CH
C313	87-010-260-080		CAP, ELECT 47-25V
C314	87-010-260-080		CAP, ELECT 47-25V
C319	87-012-368-080		C-CAP,S 0.1-50 F
C320	87-012-368-080		C-CAP,S 0.1-50 F
C321	87-010-186-080		CAP,CHIP 4700P
C322	87-010-186-080		CAP,CHIP 4700P
C400	87-010-404-080		CAP, ELECT 4.7-50V
C401	87-010-322-080		C-CAP,S 100P-50 J CH
C403	87-010-403-080		CAP, ELECT 3.3-50V
C404	87-010-260-080		CAP, ELECT 47-25V
C405	87-A10-946-080		C-CAP,S 220P-100 J CH
C407	87-010-186-080		CAP, CHIP 4700P
C408	87-010-544-080		CAP, ELECT 0.1-50V
C501	87-010-183-080		C-CAP,S 2700P-50 B
C502	87-010-404-080		CAP, ELECT 4.7-50V
C503	87-010-322-080		C-CAP,S 100P-50 CH
C505	87-010-403-080		CAP, ELECT 3.3-50V
C506	87-010-260-080		CAP, ELECT 47-25V
C507	87-A10-946-080		C-CAP,S 220P-100 J CH
C509	87-010-186-080		CAP, CHIP 4700P
C510	87-010-544-080		CAP, ELECT 0.1-50V
C601	87-010-993-080		C-CAP,S 0.056-25 B
C602	87-012-368-080		C-CAP,S 0.1-50 F
C603	87-010-190-080		S CHIP F 0.01
CN101	87-A60-727-010		CONN,13P JL-R
CN102	87-A60-727-010		CONN,13P JL-R
CN501	87-099-043-010		CONN, 2P EH
CN502	87-099-043-010		CONN, 2P EH
L601	87-003-383-010		COIL,1UH-S
R225	87-A00-257-080		RES,M/F 0.15-1W J
R226	87-A00-257-080		RES,M/F 0.15-1W J
R227	87-A00-257-080		RES,M/F 0.15-1W J
R228	87-A00-257-080		RES,M/F 0.15-1W J
R239	87-A00-257-080		RES,M/F 0.15-1W J
R242	87-A00-257-080		RES,M/F 0.15-1W J
R325	87-A00-258-080		RES,M/F 0.22-1W J
R326	87-A00-258-080		RES,M/F 0.22-1W J
R327	87-A00-258-080		RES,M/F 0.22-1W J
R328	87-A00-258-080		RES,M/F 0.22-1W J
R329	87-A00-258-080		RES,M/F 0.22-1W J
R340	87-A00-258-080		RES,M/F 0.22-1W J
R417	87-A00-258-080		RES,M/F 0.22-1W J
R418	87-A00-258-080		RES,M/F 0.22-1W J
R419	87-A00-258-080		RES,M/F 0.22-1W J
R519	87-A00-258-080		RES,M/F 0.22-1W J
R520	87-A00-258-080		RES,M/F 0.22-1W J
R521	87-A00-258-080		RES,M/F 0.22-1W J

PS C.B

C1	87-010-387-080		CAP,E 470-25 SME
C8	87-A10-520-090		CAP,E 3300-35<U>
C9	87-A10-520-090		CAP,E 3300-35<U>
C8	87-010-917-090		CAP,E 3300-50<LH>
C9	87-010-917-090		CAP,E 3300-50<LH>
C31	87-010-403-040		CAP,E 3.3-50<LH>
CN1	87-A60-851-010		CONN,9P V VH
⚠ PR1	87-026-682-080		PROTECTOR,10A 491S 60V
⚠ PR2	87-026-682-080		PROTECTOR,10A 491S 60V>
⚠ PR3	87-A91-276-080		FUSE, 125MA 125V F 251<U>
⚠ PT1	8Z-NFV-604-010		PT,ZNF-28<U>
⚠ PT1	8Z-NFV-607-010		PT,ZNF-28<LH>
⚠ PT2	8Z-NF8-661-010		PT,SUB ZNF-8<U>
⚠ PT2	8Z-NF8-663-010		PT,SUB ZNF-8<LH>
⚠ RY1	87-A91-281-010		RELAY,AC DC12V OSA-SS-212 DM5<LH>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
⚠ RY2	87-A90-976-010		RELAY,AC12V SDT-S-112LMR<U>
⚠ S1	87-A90-165-010		SW,SL 1-2-3 SWS2301<LH>
⚠ T1	87-A60-317-010		TERMINAL, 1P MSC
⚠ T2	87-A60-317-010		TERMINAL, 1P MSC
TUNER C.B			
C701	87-010-381-080		CAP, ELECT 330-16V
C702	87-010-404-080		CAP, ELECT 4.7-50V
C703	87-012-286-080		CAP, U 0.01-25
C704	87-012-286-080		CAP, U 0.01-25
C705	87-A10-592-080		C-CAP,S 0.015-50 J B
C706	87-A10-592-080		C-CAP,S 0.015-50 J B
C709	87-012-195-080		C-CAP,U 100P-50CH
C711	87-010-260-080		CAP, ELECT 47-25V
C712	87-010-831-080		C-CAP,U,0.1-16F
C714	87-012-286-080		CAP, U 0.01-25
C717	87-012-286-080		CAP, U 0.01-25
C718	87-012-179-080		C-CAP,U 20P-50 CH
C719	87-012-286-080		CAP, U 0.01-25
C720	87-012-195-080		C-CAP,U 100P-50CH
C721	87-012-176-080		CAP 15P
C722	87-012-176-080		CAP 15P
C723	87-012-274-080		CHIP CAP,U 1000P-50B
C725	87-012-274-080		CHIP CAP,U 1000P-50B
C727	87-010-196-080		CHIP CAPACITOR,0.1-25
C728	87-010-248-080		CAP, ELECT 220-10V
C729	87-012-274-080		CHIP CAP,U 1000P-50B
C731	87-012-286-080		CAP, U 0.01-25
C733	87-010-987-080		C-CAP,S 1500P-50 CH
C734	87-010-987-080		C-CAP,S 1500P-50 CH
C735	87-010-987-080		C-CAP,S 1500P-50 CH
C736	87-010-987-080		C-CAP,S 1500P-50 CH
C737	87-A10-592-080		C-CAP,S 0.015-50 J B
C738	87-A10-592-080		C-CAP,S 0.015-50 J B
C751	87-012-365-080		C-CAP,S 0.027-25VBK
C752	87-012-365-080		C-CAP,S 0.027-25VBK
C756	87-012-286-080		CAP, U 0.01-25
C757	87-012-188-080		C-CAP,U 47P-50 CH
C758	87-012-167-080		C-CAP,U 5P-50 CH
C763	87-010-829-080		CAP, U 0.047-16
C764	87-012-337-080		C-CAP,U 56P-50 CH
C765	87-012-286-080		CAP, U 0.01-25
C768	87-012-286-080		CAP, U 0.01-25
C769	87-010-260-080		CAP, ELECT 47-25V
C770	87-010-829-080		CAP, U 0.047-16
C771	87-010-383-080		CAP, ELECT 33-25V
C772	87-010-829-080		CAP, U 0.047-16
C773	87-010-196-080		CHIP CAPACITOR,0.1-25
C774	87-010-263-080		CAP, ELECT 100-10V
C775	87-010-404-080		CAP, ELECT 4.7-50V
C776	87-012-286-080		CAP, U 0.01-25
C777	87-010-400-080		CAP, ELECT 0.47-50V
C778	87-010-401-080		CAP, ELECT 1-50V
C779	87-010-401-080		CAP, ELECT 1-50V
C780	87-010-196-080		CHIP CAPACITOR,0.1-25
C781	87-010-405-080		CAP, ELECT 10-50V
C782	87-010-405-080		CAP, ELECT 10-50V
C783	87-012-286-080		CAP, U 0.01-25
C784	87-012-286-080		CAP, U 0.01-25
C785	87-010-401-080		CAP, ELECT 1-50V
C786	87-010-401-080		CAP, ELECT 1-50V
C789	87-012-275-080		C-CAP,U 1200P-50 B
C790	87-012-275-080		C-CAP,U 1200P-50 B
C791	87-010-405-080		CAP, ELECT 10-50V
C793	87-012-273-080		C-CAP,U 820P-50 B
C794	87-010-406-080		CAP, ELECT 22-50
C795	87-010-596-080		CAP, S 0.047-16
C796	87-010-403-080		CAP, ELECT 3.3-50V
C799	87-010-829-080		CAP, U 0.047-16
C812	87-012-286-080		CAP, U 0.01-25
C820	87-010-260-080		CAP, ELECT 47-25V
C821	87-012-286-080		CAP, U 0.01-25
C822	87-012-286-080		CAP, U 0.01-25
C823	87-012-286-080		CAP, U 0.01-25
C828	87-010-196-080		CHIP CAPACITOR,0.1-25
C829	87-010-196-080		CHIP CAPACITOR,0.1-25
C959	87-010-196-080		CHIP CAPACITOR,0.1-25
C960	87-010-196-080		CHIP CAPACITOR,0.1-25
C961	87-012-170-080		C-CAP,U 8P-50 CH
C963	87-010-196-080		CHIP CAPACITOR,0.1-25
CF801	87-008-261-010		FILTER, SFE10.7MA5-A
CF802	87-008-261-010		FILTER, SFE10.7MA5-A
CN701	87-A60-700-010		CONN,13P H GRY TUC-P13X-C1
FFE801	A8-8ZA-190-030		8ZA-1 FEUNM
J801	87-A60-702-010		TERMINAL,ANT 4P CJ-9036
L771	87-A50-266-010		COIL,FM DET-2N(TOK)
L772	87-A90-733-010		FLTR,PCFAZH-450 (TOK)
L981	87-NF4-650-010		COIL,AM PACK 4N(TOK)
X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
DECK C.B			
CON105	87-099-753-080		CONN,11P H 9604<U>
CON105	87-099-756-019		CONN,15P 9604 S F<LH>
CON301	86-ZM3-604-219		CON ASSY,3P-PB<U>
CON351	86-ZM3-605-119		CON ASSY,8P-RPB<U>
SFR1	87-024-581-019		SFR,3.3K DIA 6H
SOL1	82-ZM1-618-410		SOL ASSY,27
SOL2	82-ZM1-618-410		SOL ASSY,27
SW1	87-A90-248-019		SW,MICRO ESE11SH2CXQ
SW2	87-A90-248-019		SW,MICRO ESE11SH2CXQ
SW3	87-A90-248-019		SW,MICRO ESE11SH2CXQ
SW4	87-A90-248-019		SW,MICRO ESE11SH2CXQ
SW4	87-036-110-019		SW,MICRO SPPB62<LH>
SW5	87-A90-248-019		SW,MICRO ESE11SH2CXQ<U>
SW5	87-036-110-019		SW,MICRO SPPB62<LH>
SW6	87-036-110-019		SW,MICRO SPPB62<LH>
SW8	87-A90-248-019		SW,MICRO ESE11SH2CXQ<LH>
SW9	87-A90-248-019		SW,MICRO ESE11SH2CXQ<LH>
W1	82-ZM3-601-019		RBN,CORD,4P-75
HEAD-1 C.B<LH>			
	85-ZM3-602-010		PWB,FLEX A
HEAD-2 C.B<LH>			
	85-ZM3-602-010		PWB,FLEX A
CON351	87-NF6-616-010		CONN ASSY,8P-RPB

TRANSISTOR ILLUSTRATION

E C B

KTA1266GR
KTC3198GR
KTC3199GR
2SB1237

E C B

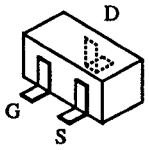
CC5551

E C B

CSA1585BC

B C E

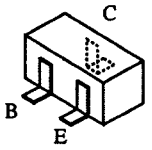
2SB1370
FN1016
FP1016
2SD2025
2SB1344
2SB1342
2SD1933



2SK2158

E C B

DTC114ES
2SA933SRS
2SC4115SRS

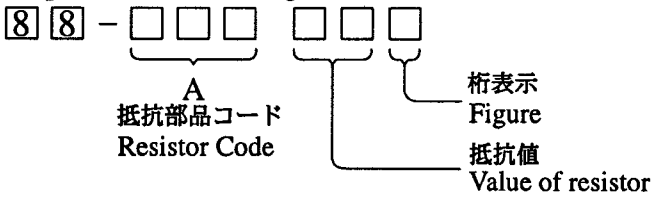


2SA1235F
2SC2714
2SC3052F
2SC3906KR
2SD1306E
2SA1514K
CMBT5551

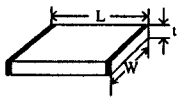
RT1N141C
RT1P144C
RT1P441C
RT1P141C
DTA123EKA
CMBT5401
CSD1306E

Oチップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

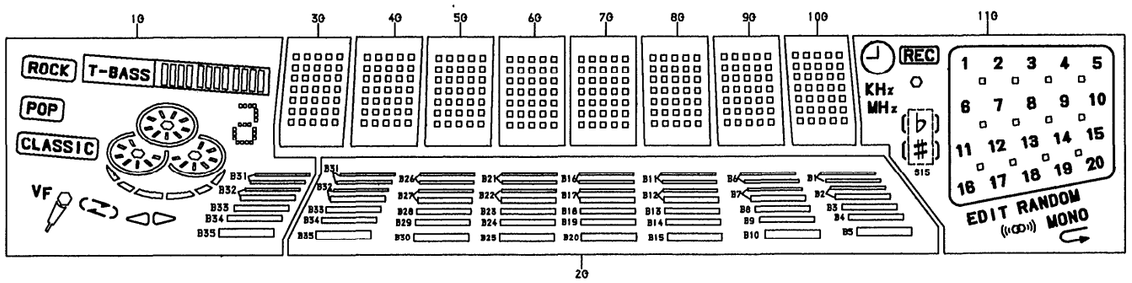


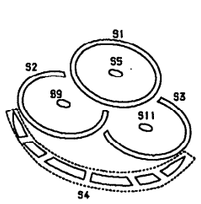
チップ抵抗
Chip resistor

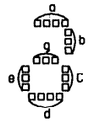
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1005	±5%	CJ		1.0	0.5	0.35	104
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

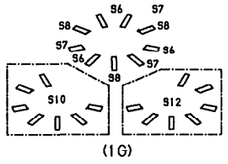
FL (BJ674GNK) GRID ASSIGNMENT AND ANODE CONNECTION

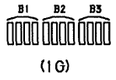
GRID ASSIGMENT

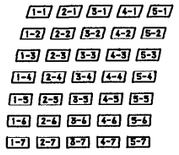


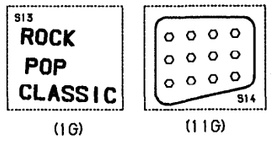








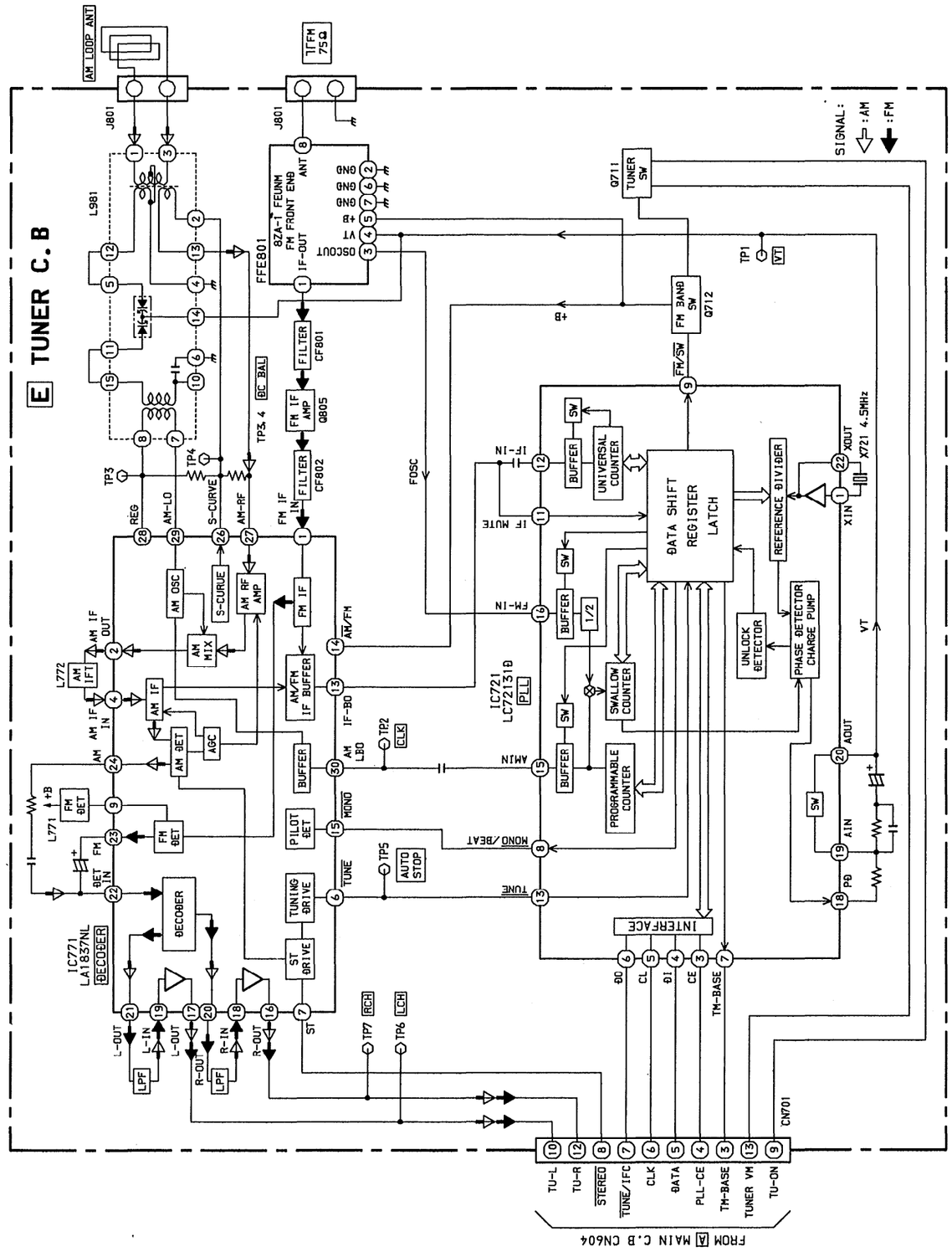




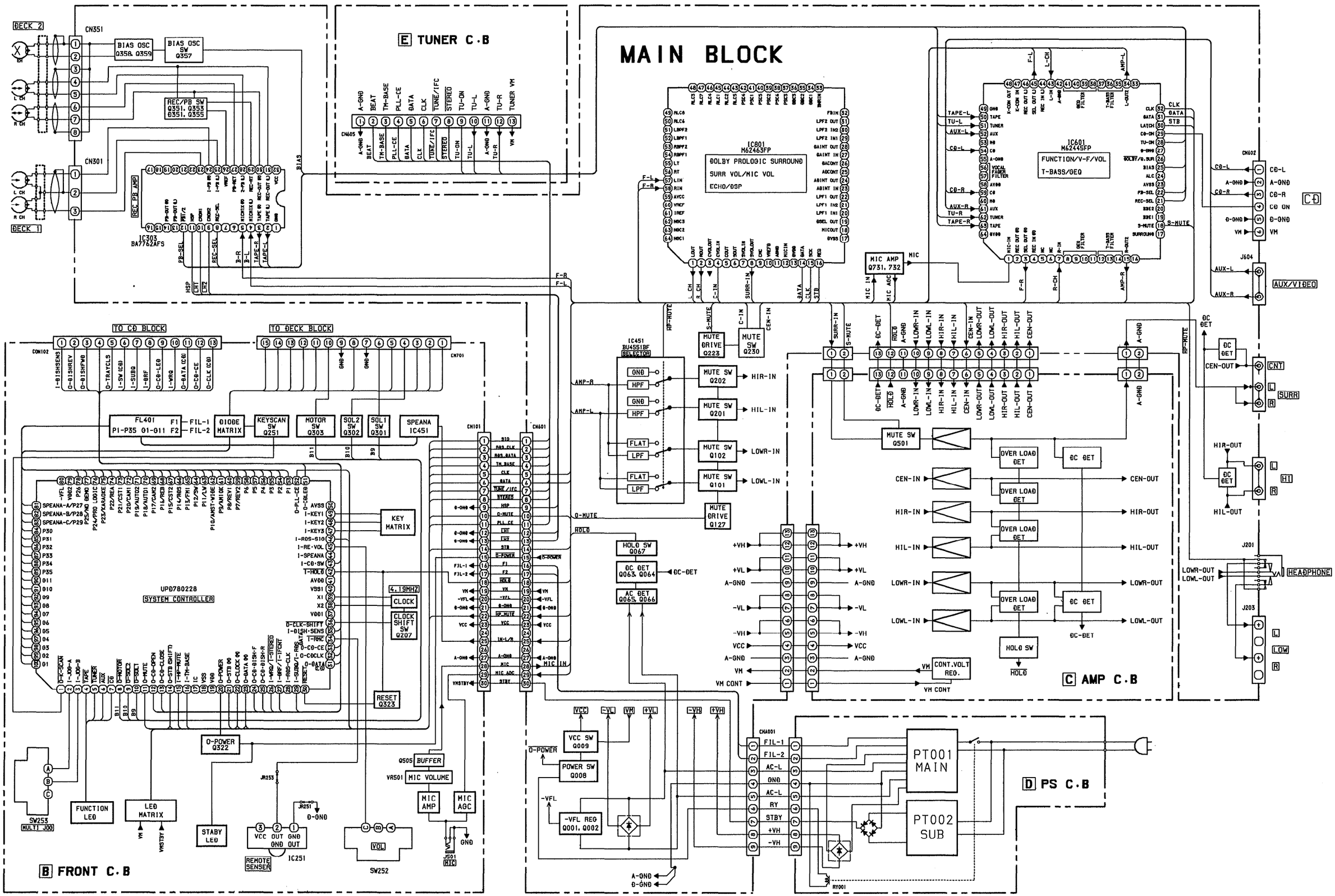
ANODE CONNECTION

	1G	2G	3G-10G	11G
P1	S13	B35	1-1	
P2	(ROCK)	B30	2-1	MONO
P3	(POP)	B25	3-1	RANDOM
P4	(CLASSIC)	B20	4-1	
P5	VF	B15	5-1	EDIT
P6		B10	1-2	
P7		B5	2-2	REC
P8		B34	3-2	KHz
P9		B29	4-2	MHz
P10		B24	5-2	
P11	S4	B19	1-3	S15
P12	S2	B14	2-3	( ) (b)
P13	S10	B9	3-3	( ) (#)
P14	S9	B4	4-3	S14
P15	S3	B33	5-3	20
P16	S12	B28	1-4	19
P17	S11	B23	2-4	18
P18	S1	B18	3-4	17
P19	S6	B13	4-4	16
P20	S7	B8	5-4	15
P21	S8	B3	1-5	14
P22	S5	B32	2-5	13
P23	T-BASS	B27	3-5	12
P24	B1	B22	4-5	11
P25	B2	B17	5-5	10
P26	B3	B12	1-6	9
P27	e	B7	2-6	8
P28	a, g, d	B2	3-6	7
P29	b	B31	4-6	6
P30	c	B26	5-6	5
P31	B35	B21	1-7	4
P32	B34	B16	2-7	3
P33	B33	B11	3-7	2
P34	B32	B6	4-7	1
P35	B31	B1	5-7	—

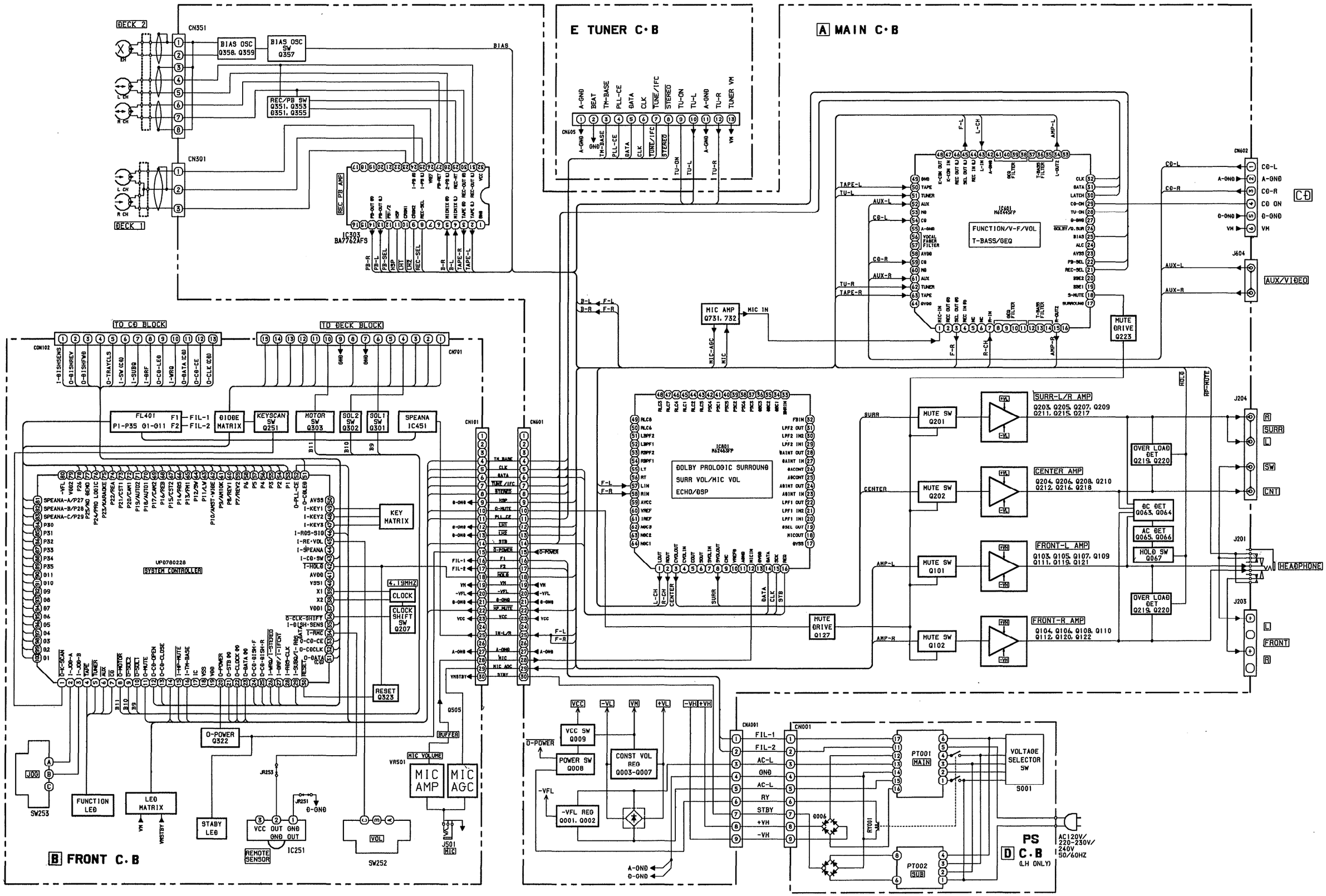
BLOCK DIAGRAM – 1 (TUNER)



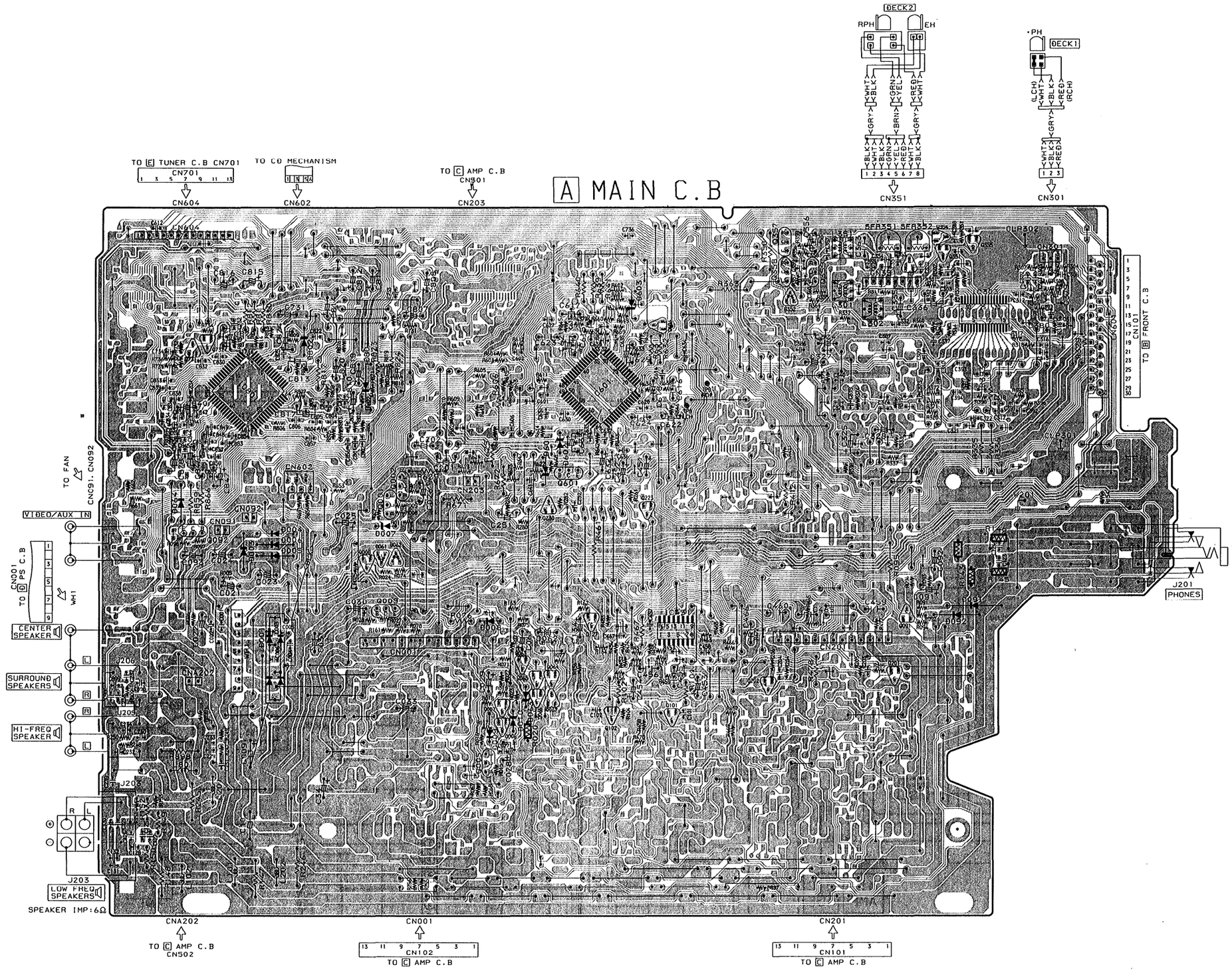
BLOCK DIAGRAM – 2 (MAIN / FRONT : U)



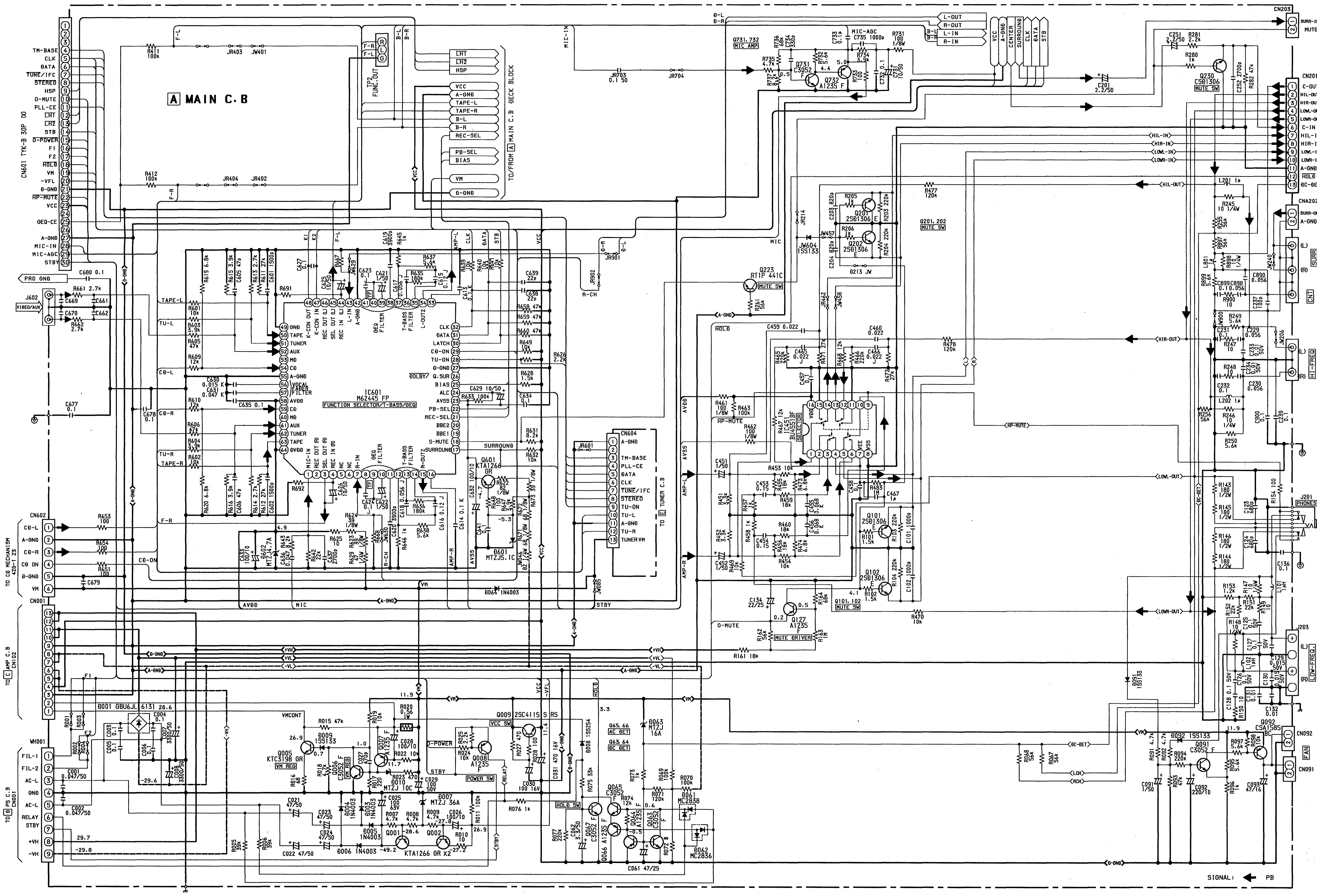
BLOCK DIAGRAM – 3 (MAIN / FRONT : LH)



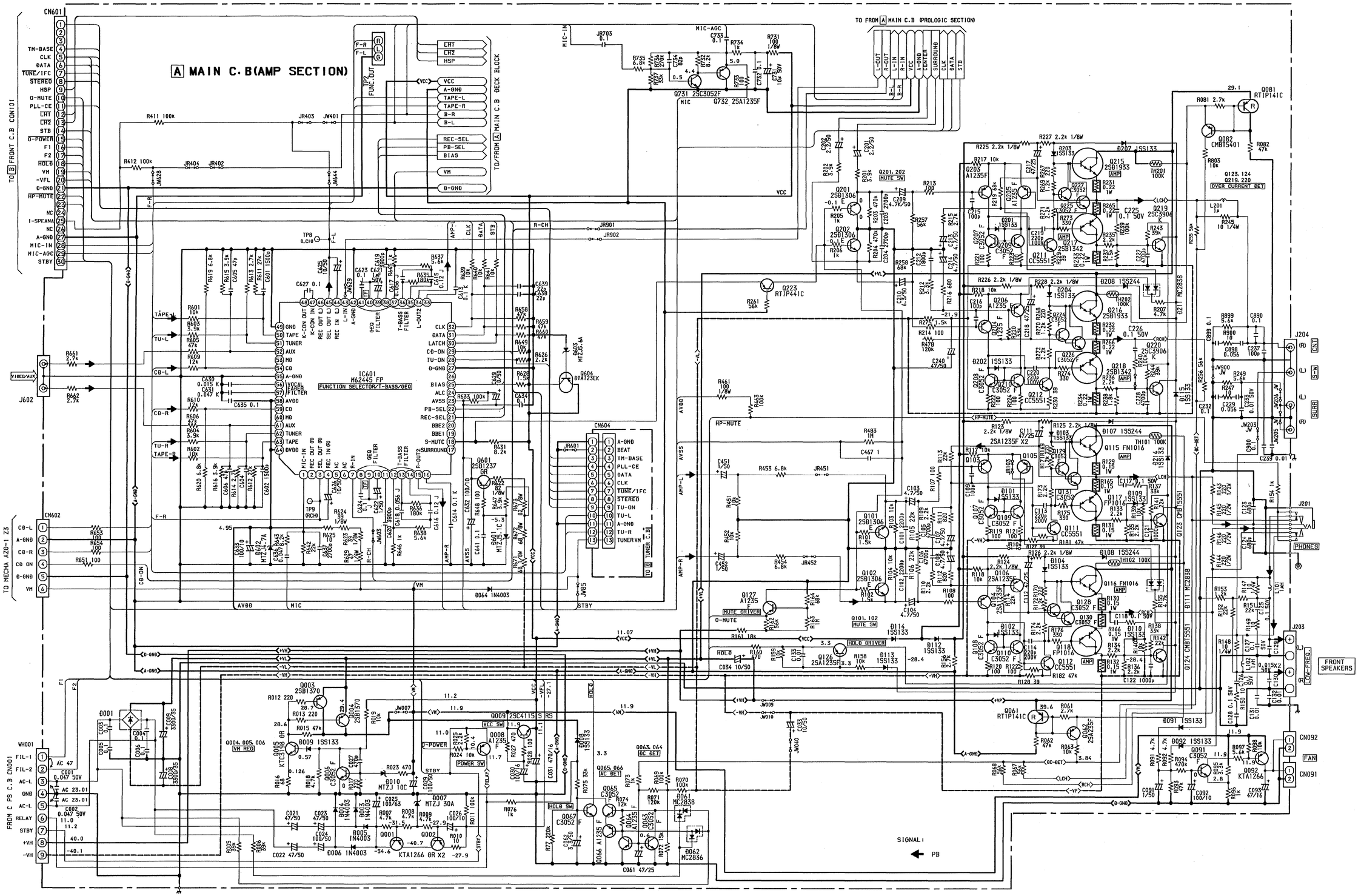
A MAIN C.B


TO E TUNER C.B CN701
CN701
CN604
TO CD MECHANISM
CN602
TO C AMP C.B
CN501
CN203
DECK2
RPH
EH
CN351
PH
DECK1
CN301
TO B FRONT C.B
CN101
VIDEO/AUX IN
CN001
TO PS C.B
CENTER SPEAKER
SURROUND SPEAKERS
HI-FREQ SPEAKER
J203
LOW FREQ SPEAKERS
SPEAKER IMP:6Ω
TO FAN
CN091, CN092
J201
PHONES
CNA202
TO C AMP C.B
CN502
CN001
CN102
TO C AMP C.B
CN201
CN101
TO C AMP C.B

SCHEMATIC DIAGRAM – 1 (MAIN : U)


A MAIN C.B
CN601 TYK-B 30P
TM-BASE
CLK
DATA
TUNE/IFC
STEREO
HSP
O-MUTE
PLL-CE
LHT
LH2
STB
O-POWER
F1
F2
HOLD
VM
-VFL
D-GND
HP-MUTE
VCC
GEQ-CE
A-GND
MIC-IN
MIC-AGC
STBY
PRO GND
J602
VIDEO/AUX
TP2 FUNC.OUT
TO/FROM A MAIN C.B DECK BLOCK
TAPE-L
TAPE-R
B-L
B-R
REC-SEL
PB-SEL
BIAS
IC601
M62445 FP
FUNCTION SELECTOR/T-BASS/GEQ
Q731, 732
MIC AMP
Q201, 202
MUTE SW
Q223
RT1P 441C
IC451
BU4551BF
SELECTOR
CN604
TO E TUNER C.B
TO CD MECHANISM 4ZG-1 Z3
CN602
CN001
TO C AMP C.B CN102
WH001
TO D PS C.B CN001
FIL-1
FIL-2
AC-L
GND
RELAY
+VH
-VH
VM REG
VCC SW
POWER SW
HOLD SW
Q65, 66 AC DET
Q63, 64 DC DET
CN203
SURR-IN
MUTE
TO C AMP C.B CN501
CN201
C-OUT
HIL-OUT
HIR-OUT
LOWL-OUT
LOWR-OUT
C-IN
HIL-IN
HIR-IN
LOWL-IN
LOWR-IN
DC-DET
TO C AMP C.B CN101
CNA202
SURR-OUT
TO C AMP C.B CN502
SURR
CNT
HI-FREQ
J201
PHONES
J203
LOW-FREQ.
Q101, 102
MUTE SW
MUTE DRIVER
CN092
CN091
FAN
SIGNAL: PB

SCHEMATIC DIAGRAM – 2 (MAIN : LH)


A MAIN C.B(AMP SECTION)
TO FROM A MAIN C.B (PROLOGIC SECTION)
TO FROM A MAIN C.B BECK BLOCK
TO B FRONT C.B CON101
FROM C PS C.B CN001
TO MECHA AZG-1 ZS
IC401 M62445 FP
FUNCTION SELECTOR/T-BASS/GEQ
Q131 25C3052F MIC
Q732 2SA1235F
Q223 RTIP441C
Q604 DTA123EK
Q601 2SD1237 GR
Q201 2SD1306
Q202 2SD1306
Q101 2SD1306
Q102 2SD1306
Q127 A1235 F
Q126 2SA1235F
Q003 2SB1370
Q004 2SB1370
Q009 2SC4115 S RS
Q005 KTC3198
Q006 C3052 F
Q001 KTA1266 GR X2
Q002 KTA1266 GR X2
Q065 C3052 F
Q066 A1235 F
Q067 C3052 F
Q062 A1235 F
Q063 C3052 F
Q064 A1235 F
Q061 RTIP141C
Q062 2SA1235F
Q081 RTIP141C
Q082 CMBT5401
Q123, 124 OVER CURRENT DET
Q219, 220 OVER CURRENT DET
Q201, 202 MUTE SW
Q101, 102 MUTE SW
Q127 MUTE DRIVER
Q126 HOLD DRIVER
Q215 2SD1933 AMP
Q216 2SD1933 AMP
Q217 2SB1342 AMP
Q218 2SB1342 AMP
Q115 FN1016 AMP
Q116 FN1016 AMP
Q219 2SC2906 (LCH)
Q220 2SC5906 (RCH)
Q211 MC2838
Q111 MC2838
Q123 CMBT5551
Q124 CMBT5551
Q115 FN1016
Q116 FN1016
Q091 C3052
Q092 KTA1266
D062 MC2836
D061 MC2838
D111 MC2838
D211 MC2838
D091 1SS133
D092 1SS133
D107 1SS244
D108 1SS244
D207 1SS133
D208 1SS244
D115 1SS135
D101 1SS133
D102 1SS133
D103 1SS133
D104 1SS133
D105 1SS133
D106 1SS133
D109 1SS133
D110 1SS133
D112 1SS133
D113 1SS133
D114 1SS133
D201 1SS133
D202 1SS133
D203 1SS133
D204 1SS133
D205 1SS133
D206 1SS133
D207 1SS133
D208 1SS244
D009 1SS133
D010 MTZJ 10C
D007 MTZJ 30A
D004 1N4003
D005 1N4003
D006 1N4003
D003 MTZJ5.6A
D001
D002
D003
D004
D005
D006
D007
D008
D009
D010
D011
D012
D013
D014
D015
D016
D017
D018
D019
D020
D021
D022
D023
D024
D025
D026
D027
D028
D029
D030
D031
D032
D033
D034
D035
D036
D037
D038
D039
D040

1 2 3 4 5 6 7 8 9 10 11 12 13 14

A B C D E F G H I J

A MAIN C.B

TO E TUNER C.B CN701
CN701
CN604

TO CD MECHANISM
CN602

FROM TAPE DECK MECHANISM
2ZM-3MK2 PR4NM

FROM H HEAD-2 C.B
CON351
CN351

FROM G HEAD-1 C.B
CON301
CN301

TO B FRONT C.B
CN101
CN601

TO FAN
CN091, CN092

J602
VIDEO/AUX IN

CN001
TO PS C.B

WH1

CENTER SPEAKER

SUB WOOFER

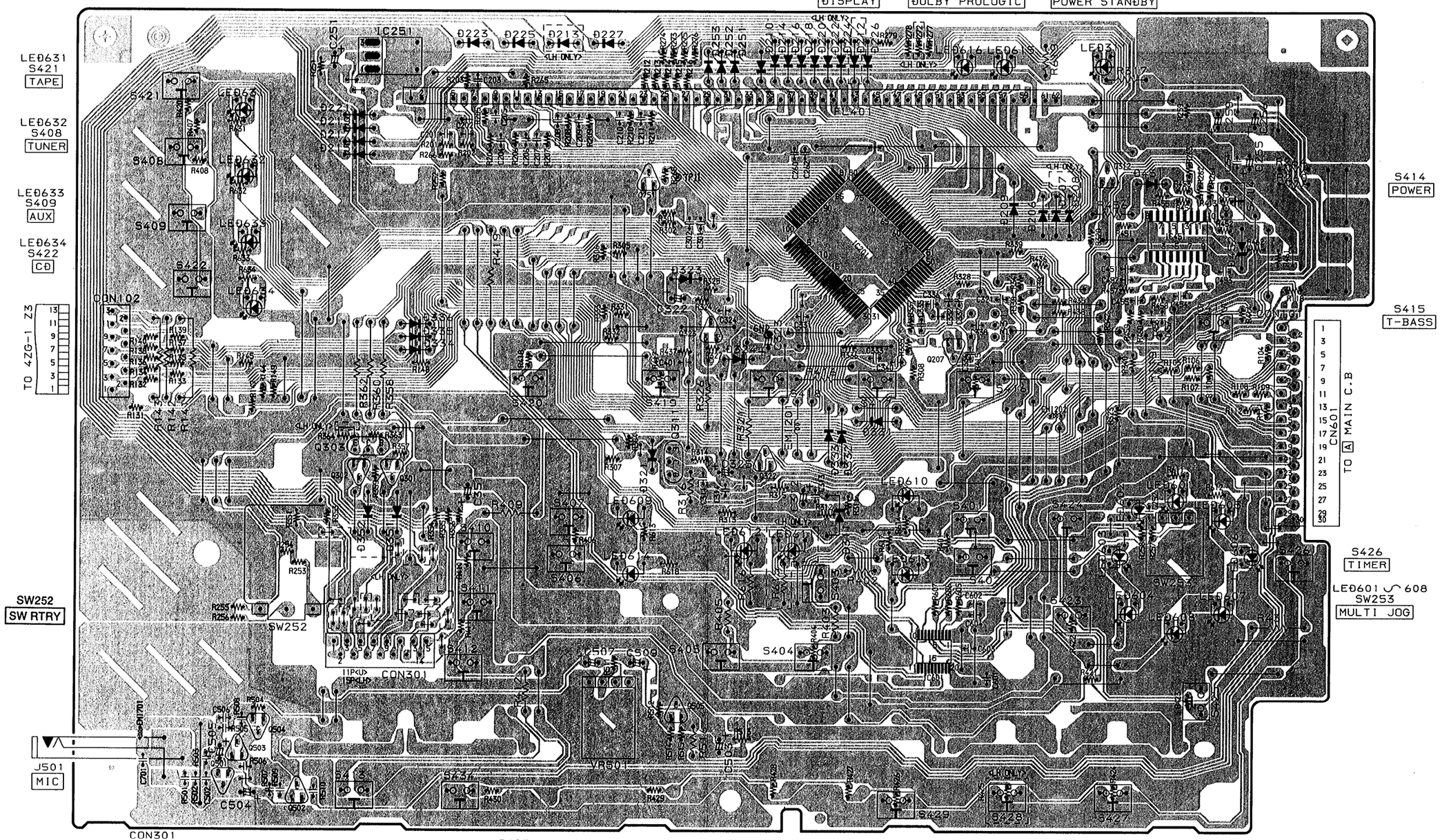
SURROUND SPEAKERS

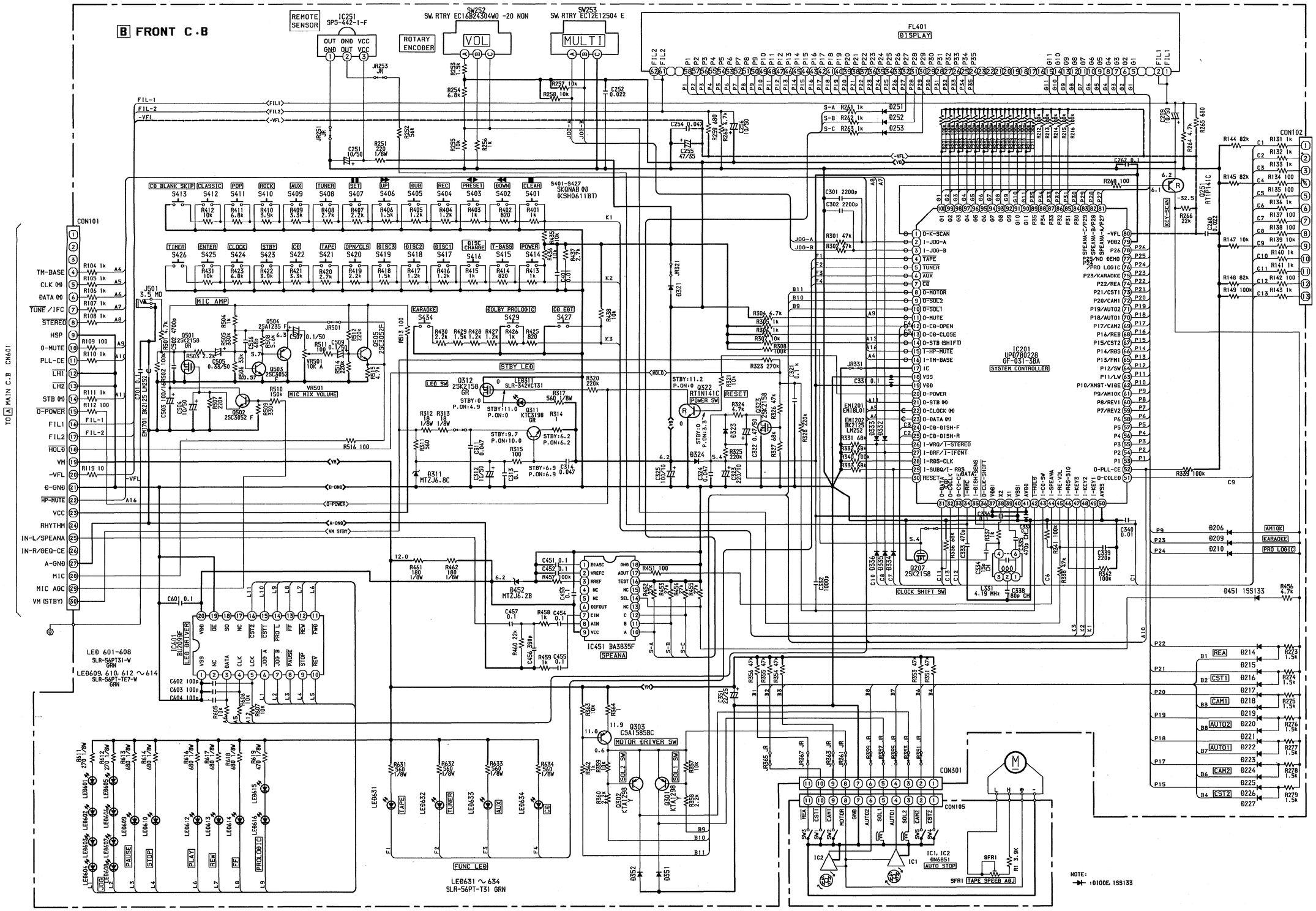
J203
FRONT SPEAKERS

SPEAKER IMP:6Ω

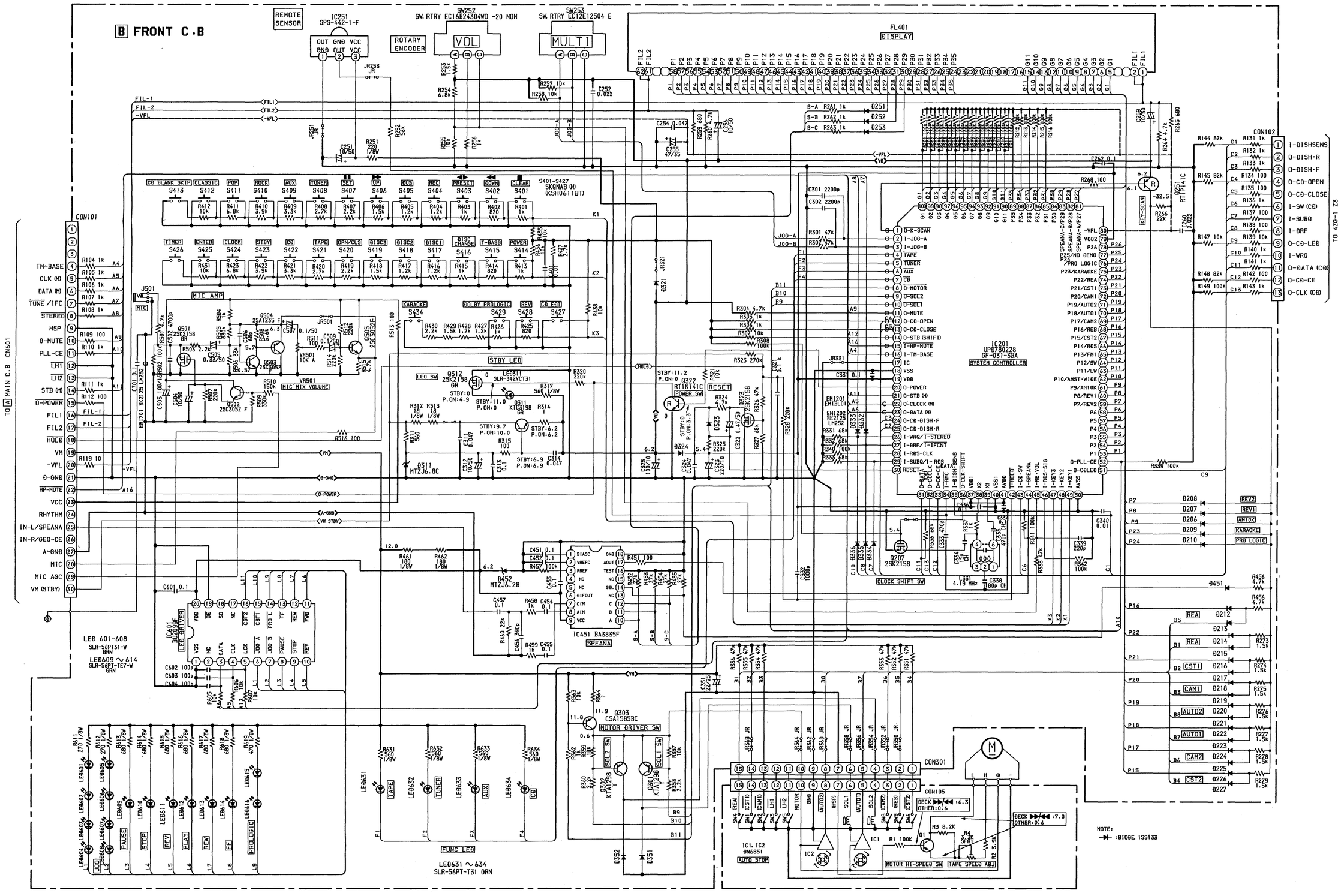
J201
PHONES

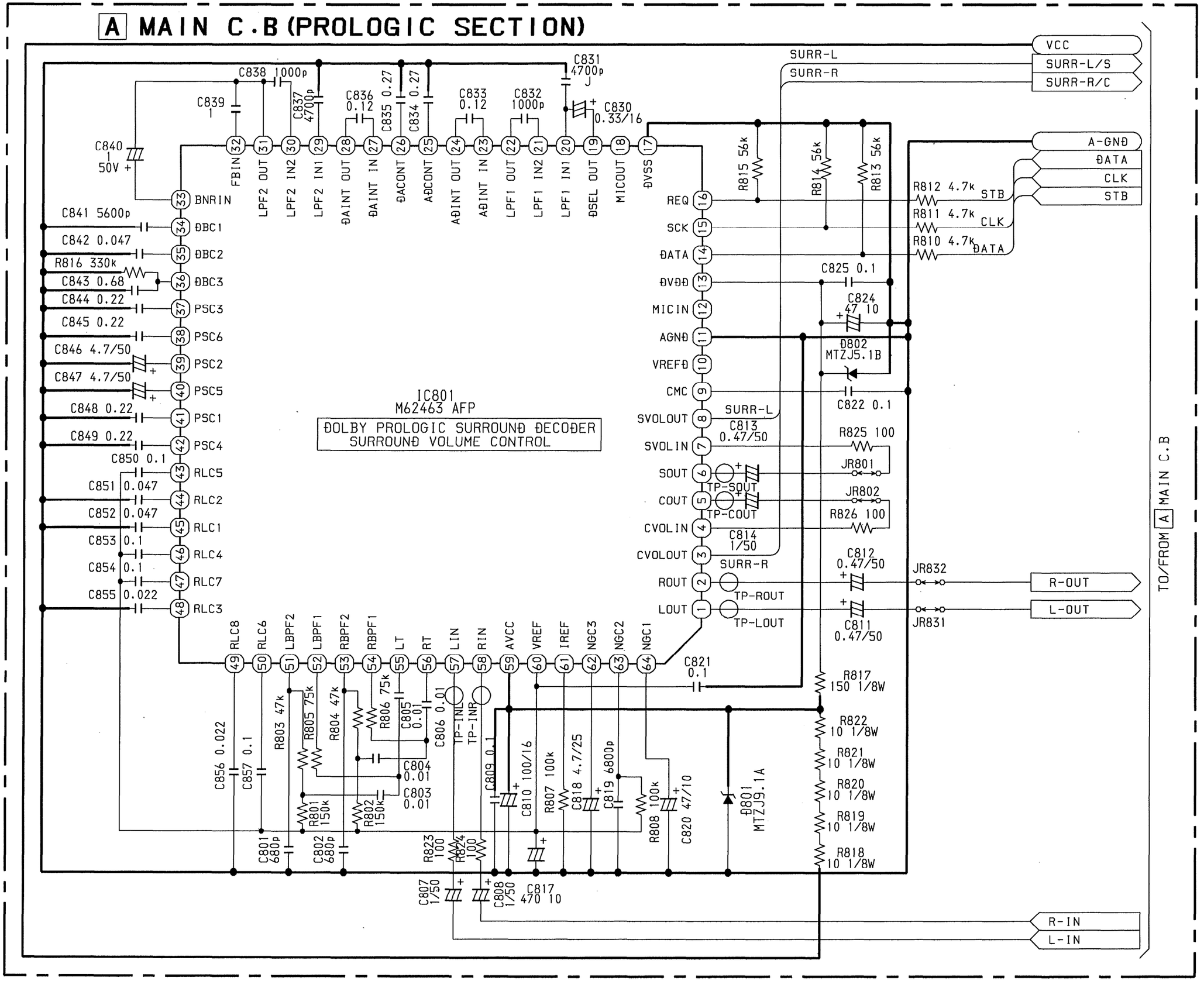
B FRONT C.B


FL401
DISPLAY
LED615, 616
DOLBY PROLOGIC
LED311
POWER STANDBY
LED631
S421
TAPE
LED632
S408
TUNER
LED633
S409
AUX
LED634
S422
CD
S414
POWER
S415
T-BASS
S426
TIMER
LED601 ~ 608
SW253
MULTI JOG
SW252
SW RTRY
J501
MIC
CON102
TO 4ZG-1 Z3
CN601
TO A MAIN C.B
CON301
TO 6ZM-3PRINM <U ONLY>
TO 2ZM-3MK2PR4NM <LH ONLY>
S413
CD BLANK SKIP
S410
ROCK
S411
POP
S412
CLASSIC
S420
OPEN/CLOSE
S434
KARAOKE
S407
SET
S406
UP
S419
DISC 3
LED609
PAUSE
LED614
FF
S405
DUB
S418
DISC 2
LED612
PLAY
S403
PRESET
S404
REC
LED611
REV
<LH ONLY>
S417
DISC 1
LED610
STOP
LED613
REW
S416
DISC CHANGE
S401
CLEAR
S402
DOWN
S424
CLOCK
S423
STBY
S429
DOLBY PROLOGIC
S428
REV
<LH ONLY>
S427
CD EDIT
S425
ENTER


B FRONT C.B
REMOTE SENSOR
IC251 SPS-442-1-F
OUT GND VCC
GND OUT VCC
ROTARY ENCODER
SW252 SW, RTRY EC16B24304W0 -20 NON
VOL
SW253 SW, RTRY EC12E12504 E
MULTI
FL401 DISPLAY
CON101
TO MAIN C.B CN601
TM-BASE
CLK (M)
DATA (M)
TUNE /IFC
STEREO
HSP
O-MUTE
PLL-CE
STB (M)
O-POWER
HP-MUTE
VCC
RHYTHM
IN-L/SPEANA
IN-R/GEQ-CE
A-GND
MIC
MIC AGC
VM (STBY)
CD BLANK SKIP
CLASSIC
POP
ROCK
AUX
TUNER
SET
UP
DUB
REC
PRESET
DOWN
CLEAR
S401-S427 SKQNAB (N) (KSH0611BT)
TIMER
ENTER
CLOCK
STBY
CD
TAPE
OPN/CLS
DISC3
DISC2
DISC1
DISC CHANGE
T-BASS
POWER
MIC AMP
KARAOKE
DOLBY PROLOGIC
CD EOT
STBY LED
LED311 SLR-342VCT31
MIC MIX VOLUME
IC201 UPD78P028 GF-031-3BA SYSTEM CONTROLLER
IC603 RC-8819F LED/KEY DRIVER
IC451 BA3835F SPEANA
Q303 C5A1585BC MOTOR DRIVER SW
Q207 2SK2158 CLOCK SHIFT SW
Q311 MTZJ6.8C
Q451 MTZJ6.2B
Q452 MTZJ6.2B
CON102
CON301
CON105
IC1, IC2 BN6851 AUTO STOP
SFR1 TAPE SPEED ADJ
LED 601-608 SLR-56PT31-W GRN
LED609, 610, 612 ~ 614 SLR-56PT-TE7-W GRN
LED631 ~ 634 SLR-56PT-T31 GRN
FUNC LED
PLAY
REW
FF
PROLOGIC
PAUSE
STOP
TAPE
TUNER
AUX
CD
NOTE:
:D108, 1SS133
TO 420-1 Z3

SCHEMATIC DIAGRAM – 4 (FRONT : LH)




A MAIN C.B (PROLOGIC SECTION)
IC801
M62463 AFP
ĐOLBY PROLOGIC SURROUNĐ ĐECOĐER
SURROUNĐ VOLUME CONTROL
VCC
SURR-L/S
SURR-R/C
SURR-L
SURR-R
A-GNĐ
ĐATA
CLK
STB
C838 1000p
C839 1
C837 4700p
C836 0.12
C835 0.27
C834 0.27
C833 0.12
C832 1000p
C831 4700p J
C830 0.33/16
C840 1 50V
R815 56k
R814 56k
R813 56k
R812 4.7k
R811 4.7k
R810 4.7k
C825 0.1
C824 47 10
Đ802 MTZJ5.1B
C822 0.1
C813 0.47/50
R825 100
JR801
JR802
R826 100
C814 1/50
C812 0.47/50
C811 0.47/50
JR832
JR831
R-OUT
L-OUT
C821 0.1
R817 150 1/8W
R822 10 1/8W
R821 10 1/8W
R820 10 1/8W
R819 10 1/8W
R818 10 1/8W
Đ801 MTZJ9.1A
C841 5600p
C842 0.047
R816 330k
C843 0.68
C844 0.22
C845 0.22
C846 4.7/50
C847 4.7/50
C848 0.22
C849 0.22
C850 0.1
C851 0.047
C852 0.047
C853 0.1
C854 0.1
C855 0.022
C856 0.022
C857 0.1
R803 47k
R805 75k
R804 47k
R806 75k
C805 0.01
C806 0.01
C804 0.01
C803 0.01
R801 150k
R802 150k
C801 680p
C802 680p
C809 0.1
C810 100/16
R807 100k
C818 4.7/25
C819 6800p
R808 100k
C820 47/10
R823 100
R824 100
C807 1/50
C808 1/50
C817 470 10
TP-INL
TP-INR
TP-SOUT
TP-COUT
TP-ROUT
TP-LOUT
R-IN
L-IN
TO/FROM A MAIN C.B
FBIN
LPF2 OUT
LPF2 IN2
LPF2 IN1
ĐAINT OUT
ĐAINT IN
ĐACONT
ĐCONT
ĐBINT OUT
ĐBINT IN
LPF1 OUT
LPF1 IN2
LPF1 IN1
ĐSEL OUT
MICOUT
ĐVSS
BNRIN
ĐBC1
ĐBC2
ĐBC3
PSC3
PSC6
PSC2
PSC5
PSC1
PSC4
RLC5
RLC2
RLC1
RLC4
RLC7
RLC3
REQ
SCK
ĐATA
ĐVĐĐ
MICIN
AGNĐ
VREFĐ
CMC
SVOLOUT
SVOLIN
SOUT
COUT
CVOLIN
CVOLOUT
ROUT
LOUT
RLC8
RLC6
LBPF2
LBPF1
RBPF2
RBPF1
LT
RT
LIN
RIN
AVCC
VREF
IREF
NGC3
NGC2
NGC1

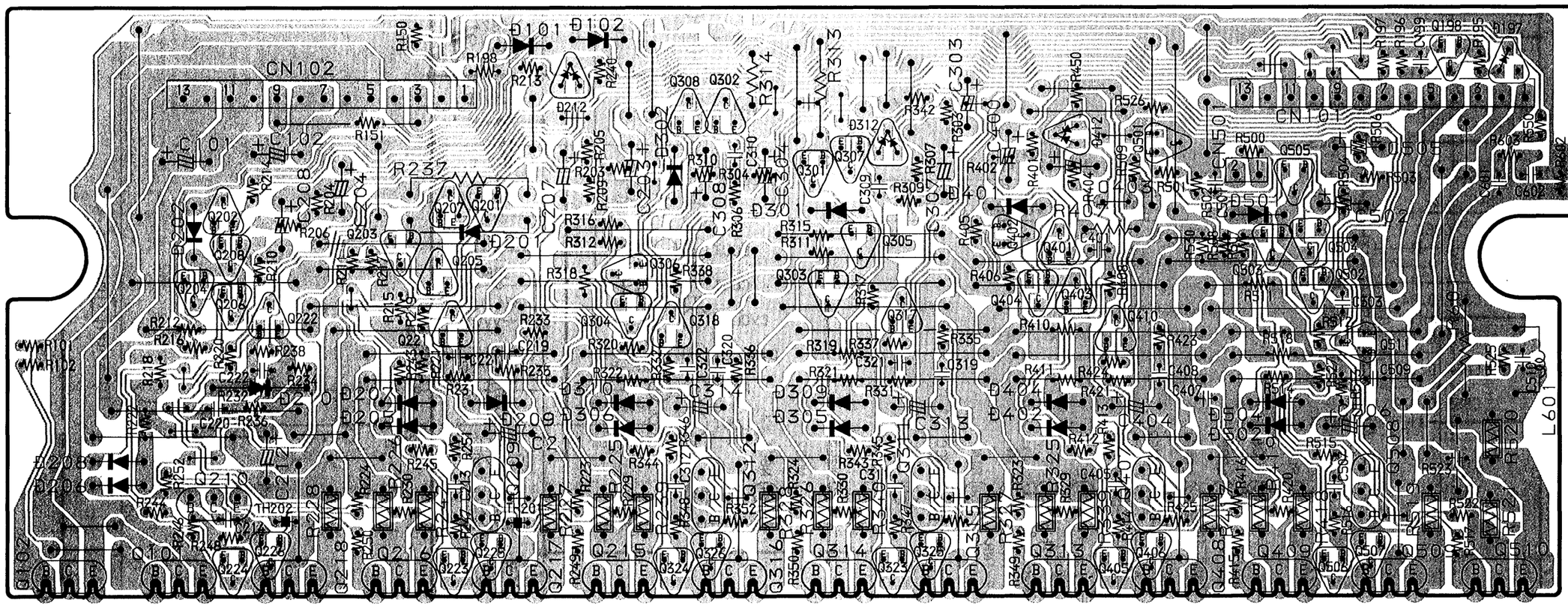
C AMP C.B

TO A MAIN C.B
CN001
⇩
CN102

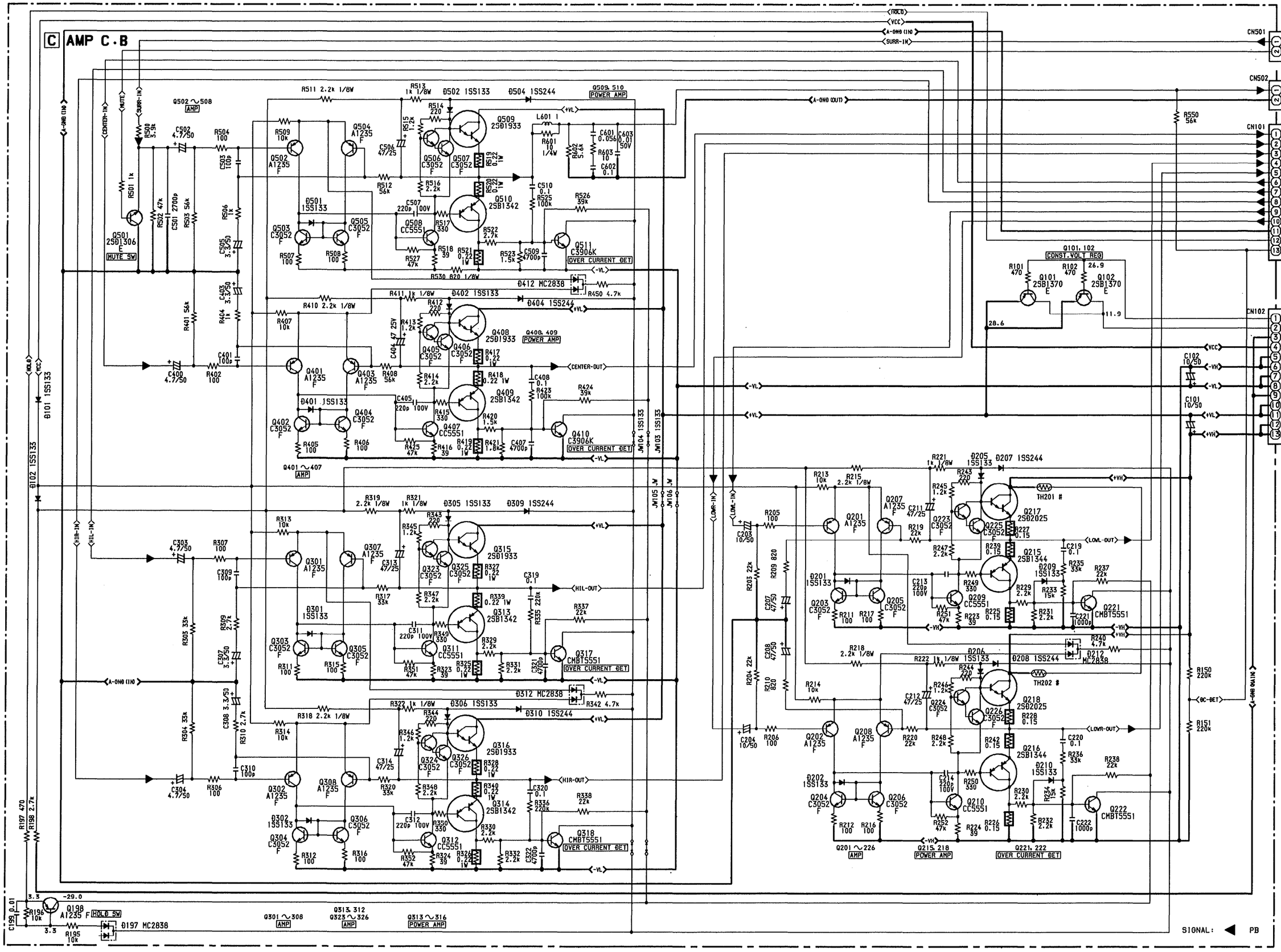
FROM A MAIN C.B
CN203
⇘
CN501

TO A MAIN C.B
CN201
⇩
CN101

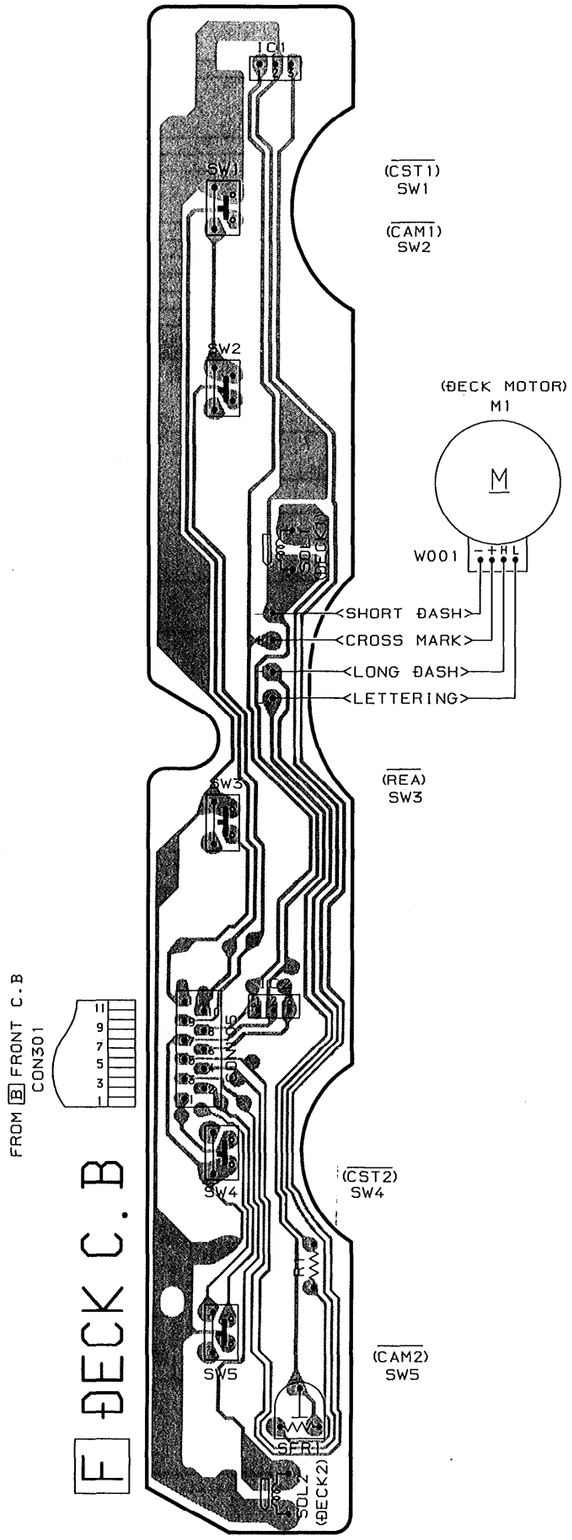
FROM A MAIN C.B
CNA202
⇩
CN502



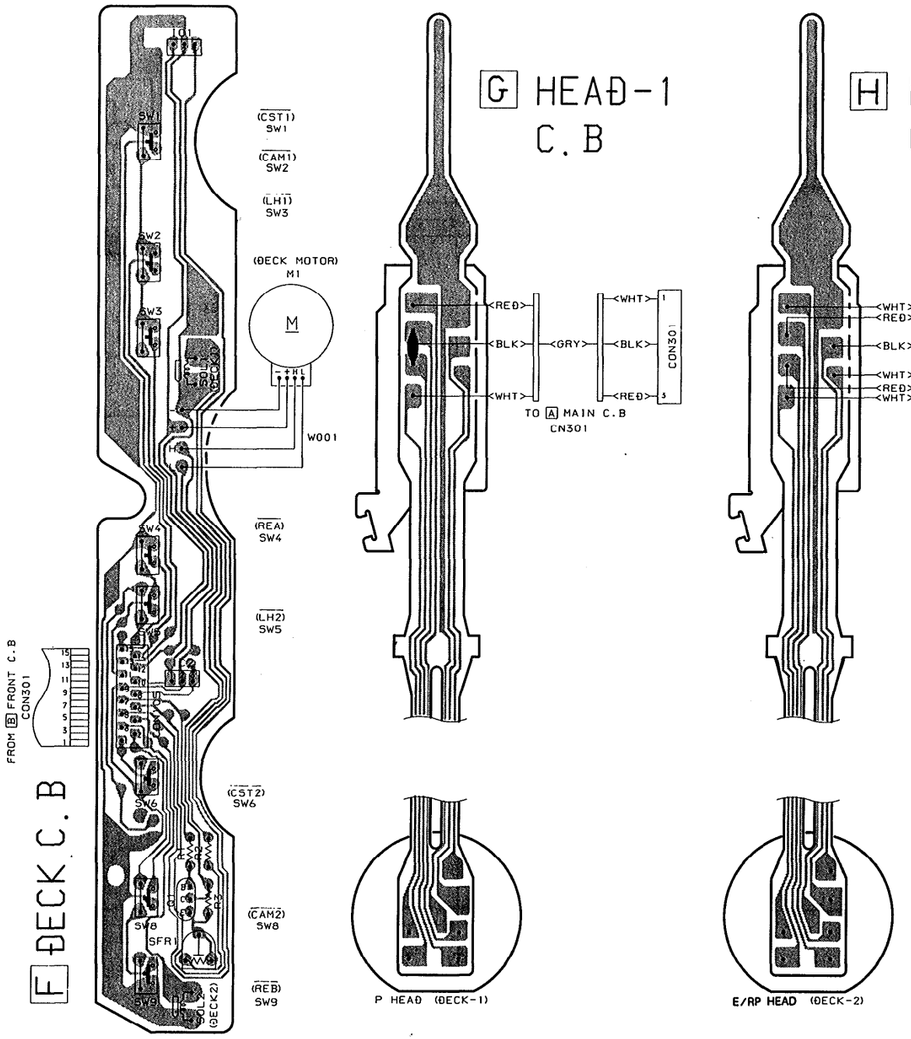
SCHEMATIC DIAGRAM – 6 (AMP : U)

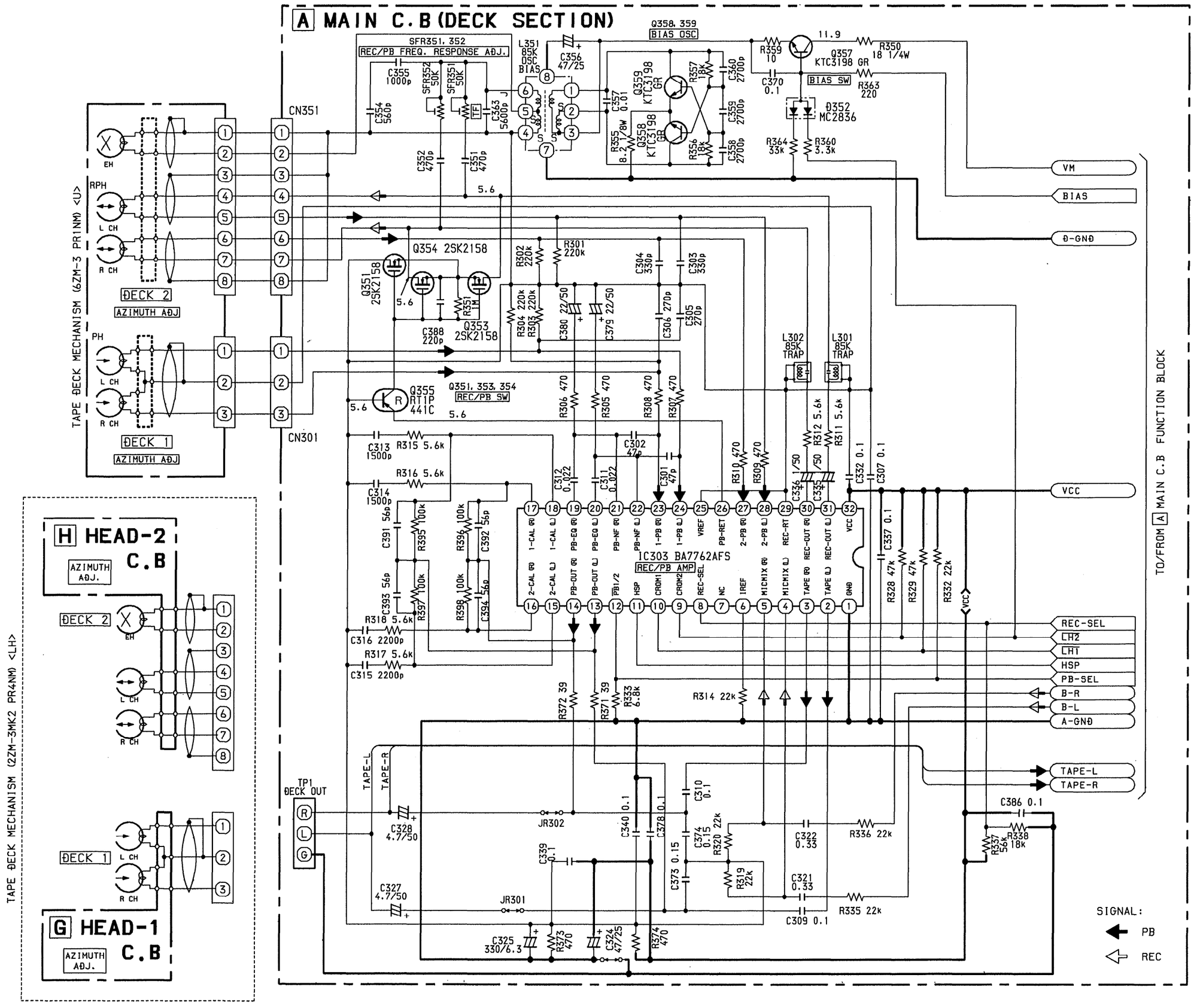


WIRING – 5 (DECK : U)

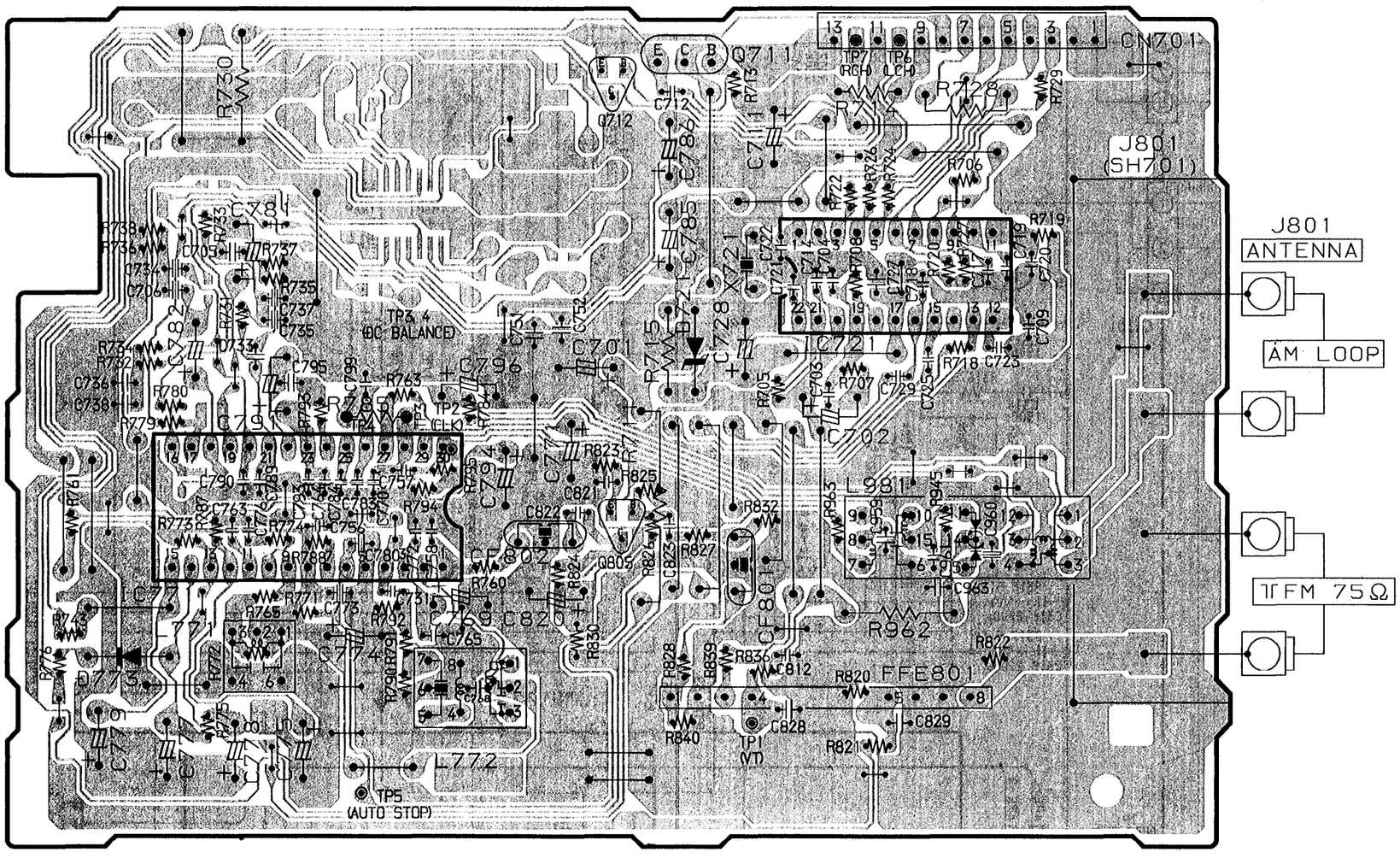


WIRING – 6 (DECK : LH)

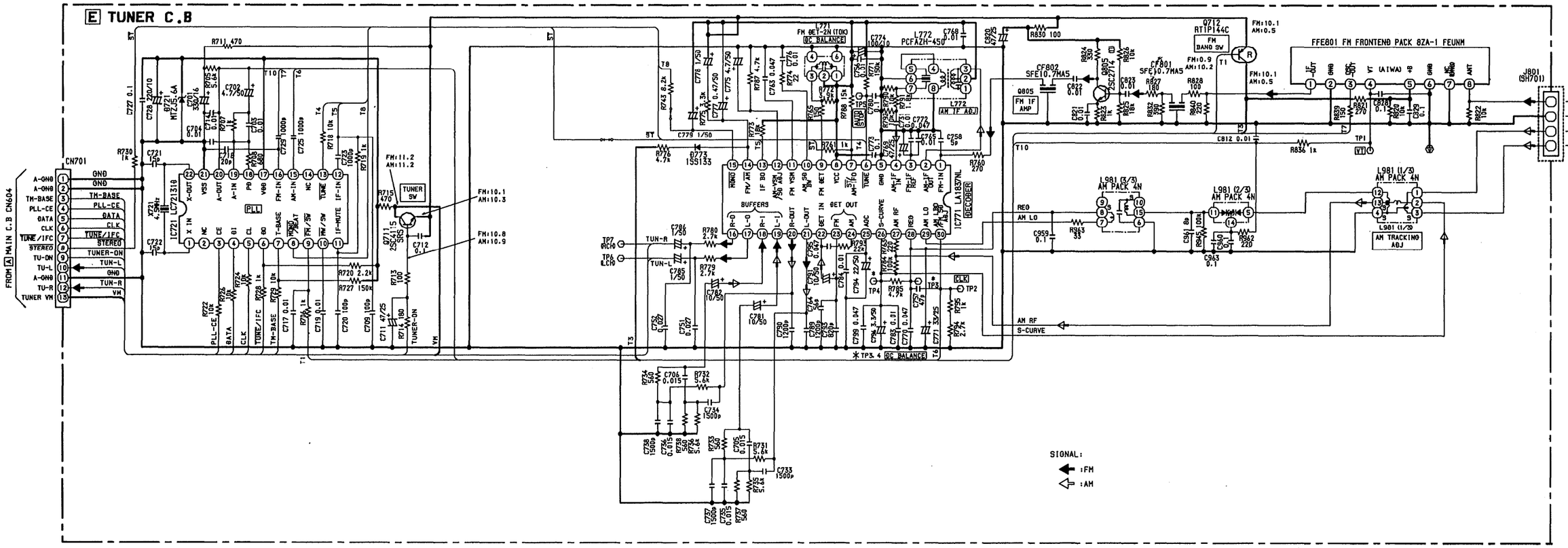



A MAIN C.B (DECK SECTION)
TAPE DECK MECHANISM (6ZM-3 PR1NM) <U>
TAPE DECK MECHANISM (2ZM-3MK2 PR4NM) <LH>
CN351
CN301
ĐECK 2
AZIMUTH AĐJ
ĐECK 1
AZIMUTH AĐJ
EH
RPH
PH
L CH
R CH
H HEAD-2 C.B
AZIMUTH AĐJ.
G HEAD-1 C.B
AZIMUTH AĐJ.
SFR351, 352
REC/PB FREQ. RESPONSE AĐJ.
Q358, 359
BIAS OSC
Q357 KTC3198 GR
BIAS SW
Đ352 MC2836
Q354 2SK2158
Q351 2SK2158
Q353 2SK2158
Q355 RT1P 441C
Q351, 353, 354
REC/PB SW
IC303 BA7762AFS
REC/PB AMP
L301 85K TRAP
L302 85K TRAP
JR301
JR302
TP1 ĐECK OUT
VM
BIAS
Đ-GNĐ
VCC
REC-SEL
LH2
LH1
HSP
PB-SEL
B-R
B-L
A-GNĐ
TAPE-L
TAPE-R
SIGNAL:
PB
REC
TO/FROM A MAIN C.B FUNCTION BLOCK

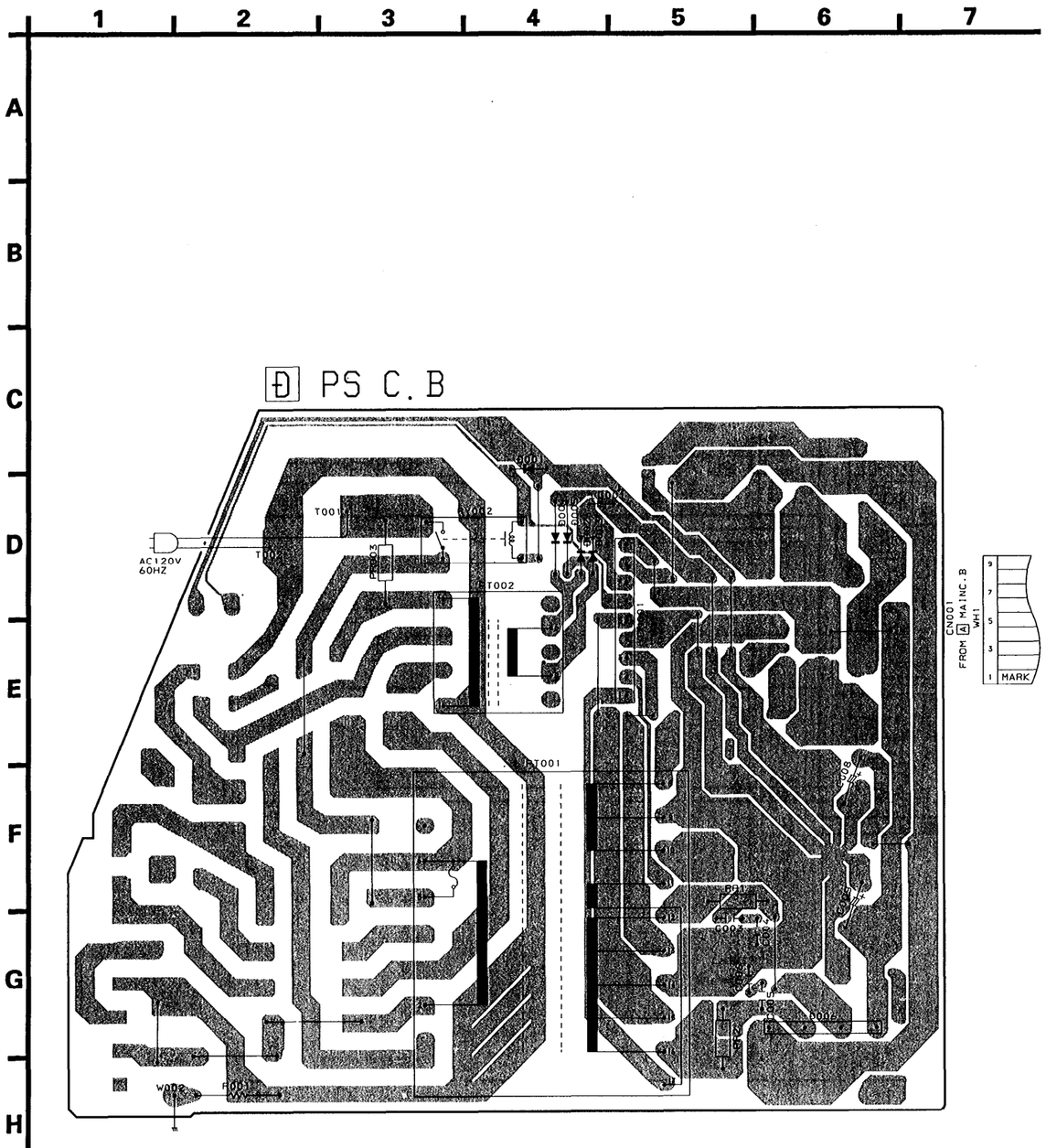
E TUNER C.B


FROM A MAIN C.B CN604
13 11 9 7 5 3 1
CN701
J801
(SH701)
J801
ANTENNA
AM LOOP
FM 75Ω
TP7 (RCH)
TP6 (LCH)
TP3, 4 (DC BALANCE)
TP2 (CLK)
TP5 (AUTO STOP)
TP1 (VT)
FFE801
L772
L981
C701
C702
C721
Q711
Q712
Q721
Q805
R962

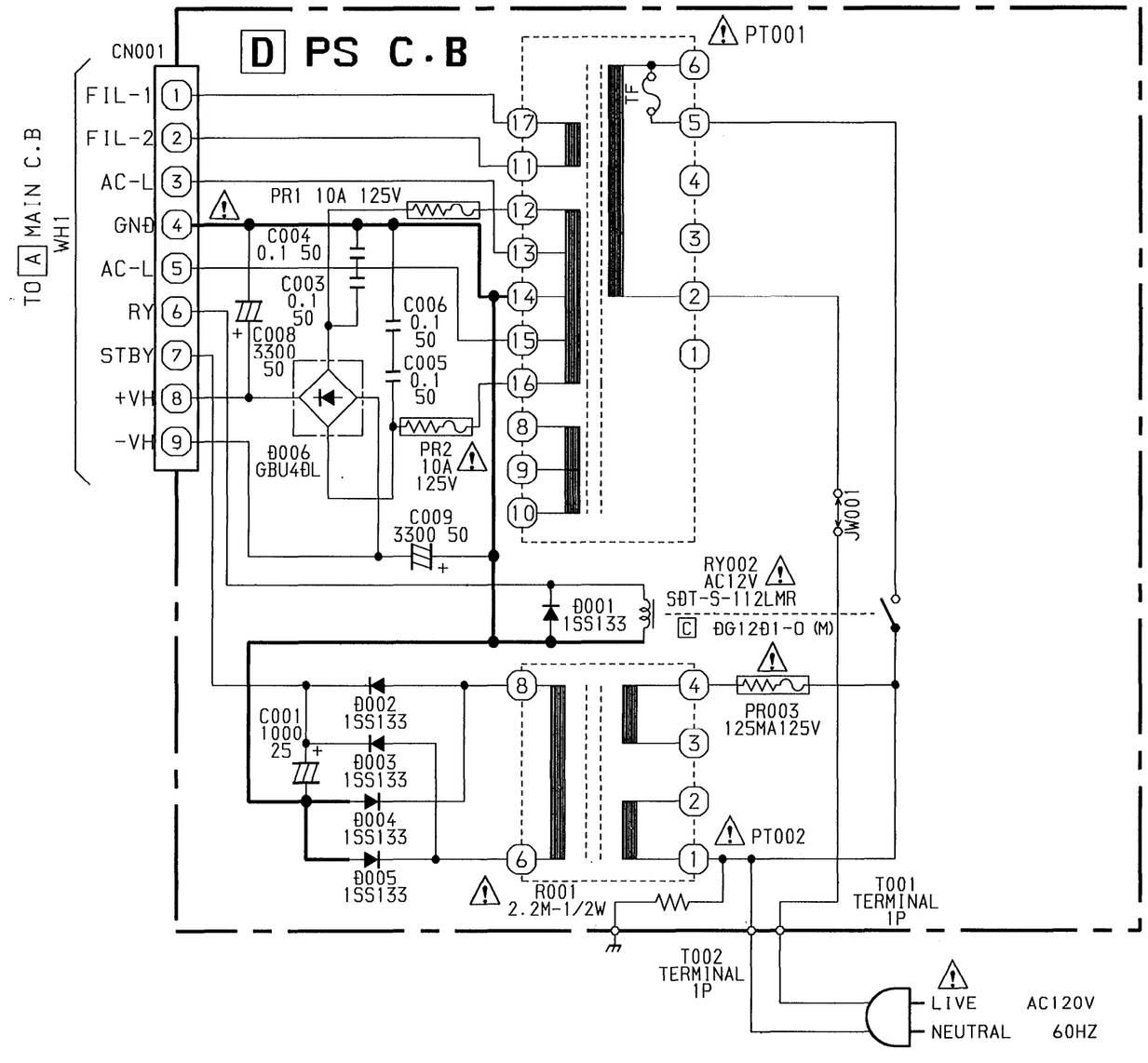
SCHEMATIC DIAGRAM – 8 (TUNER)



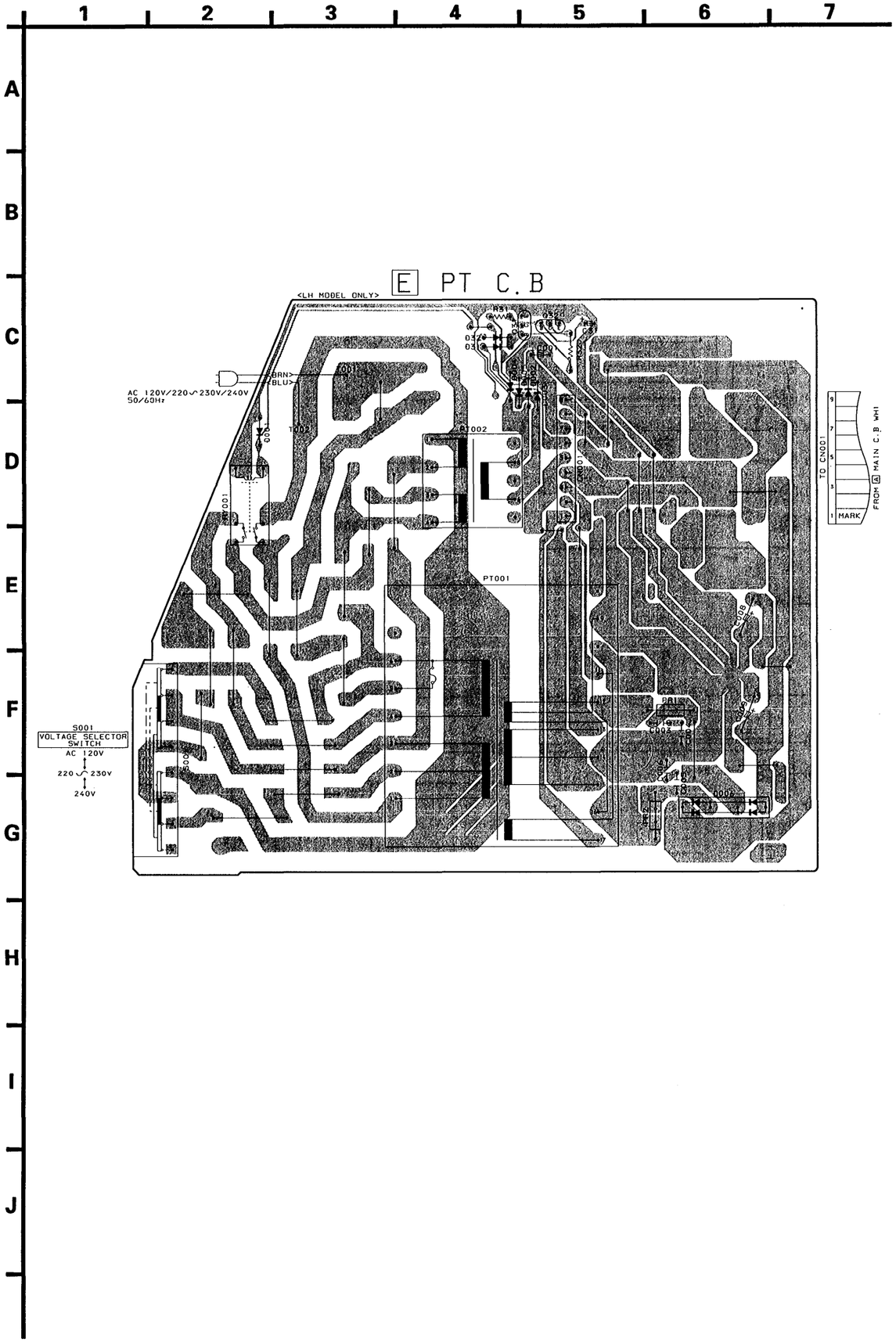
WIRING – 8 (PS : U)



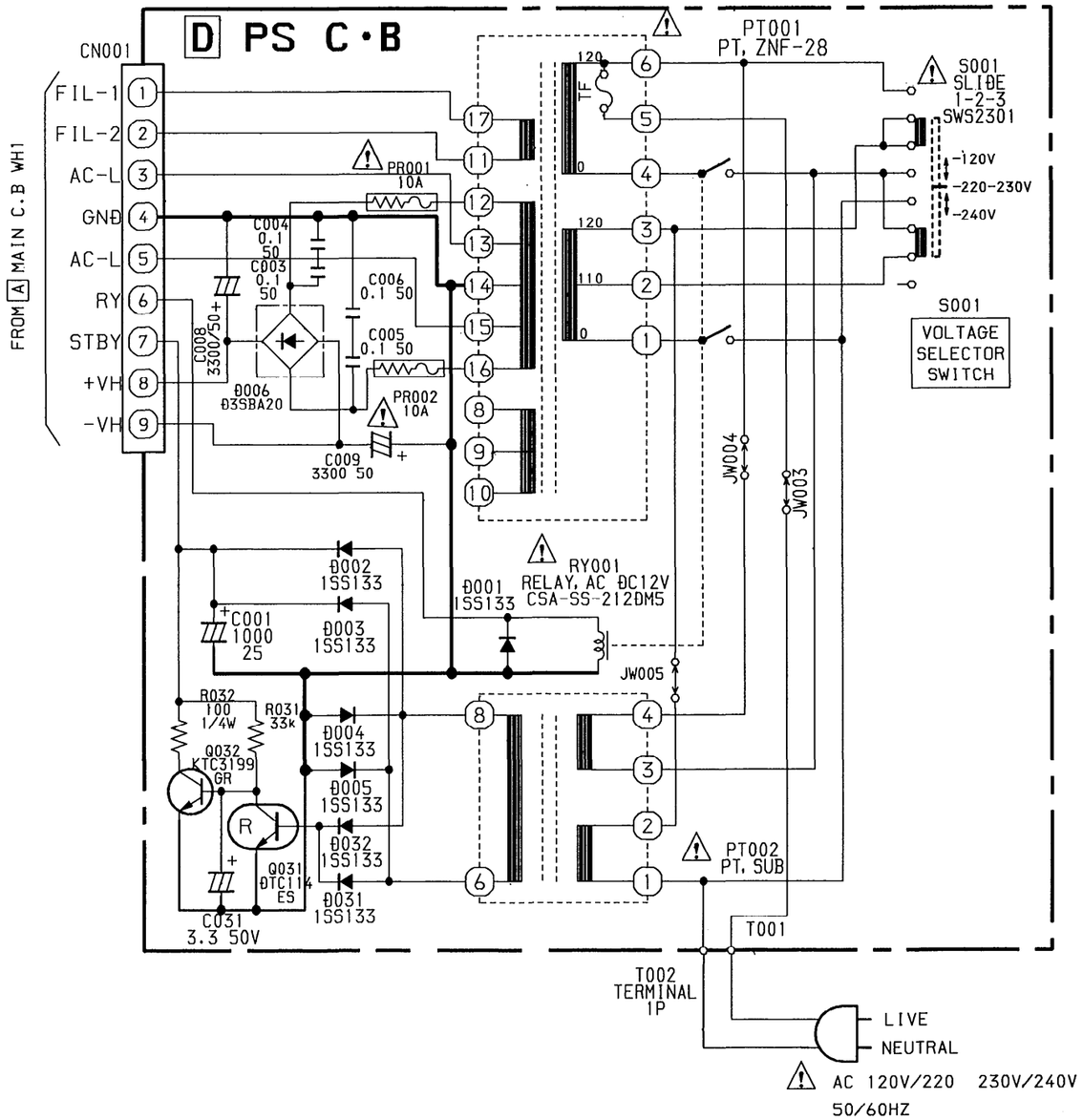
SCHEMATIC DIAGRAM – 9 (PS : U)



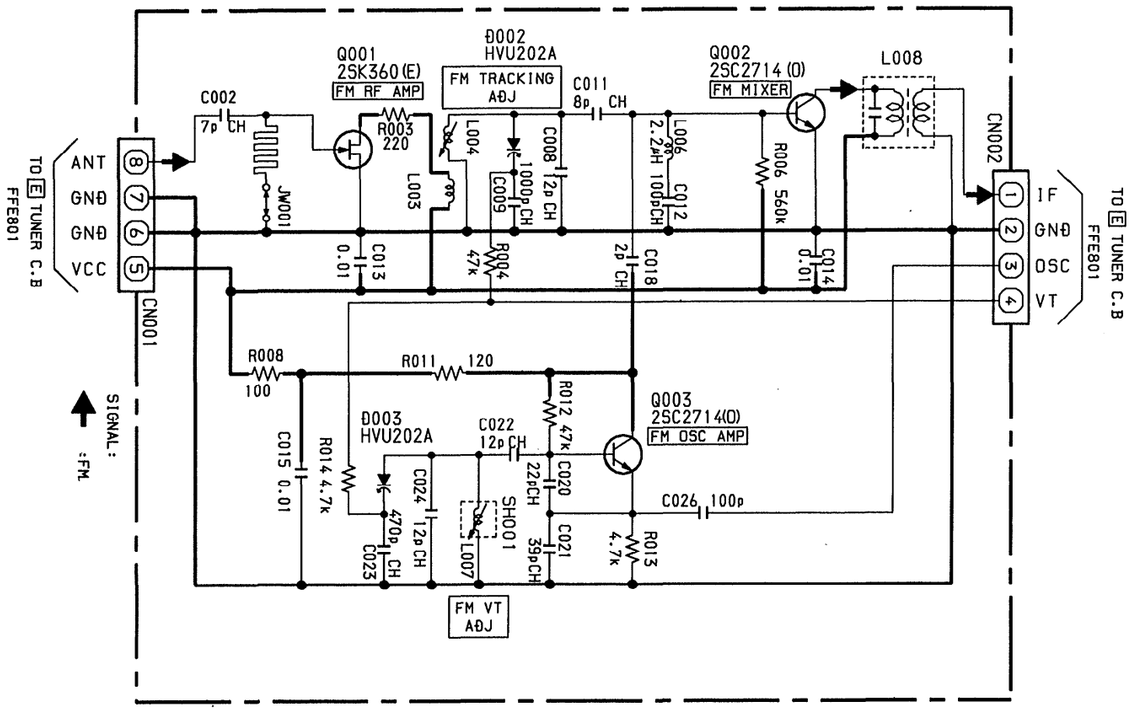
WIRING – 9 (PS : LH)



SCHEMATIC DIAGRAM – 10 (PS : LH)

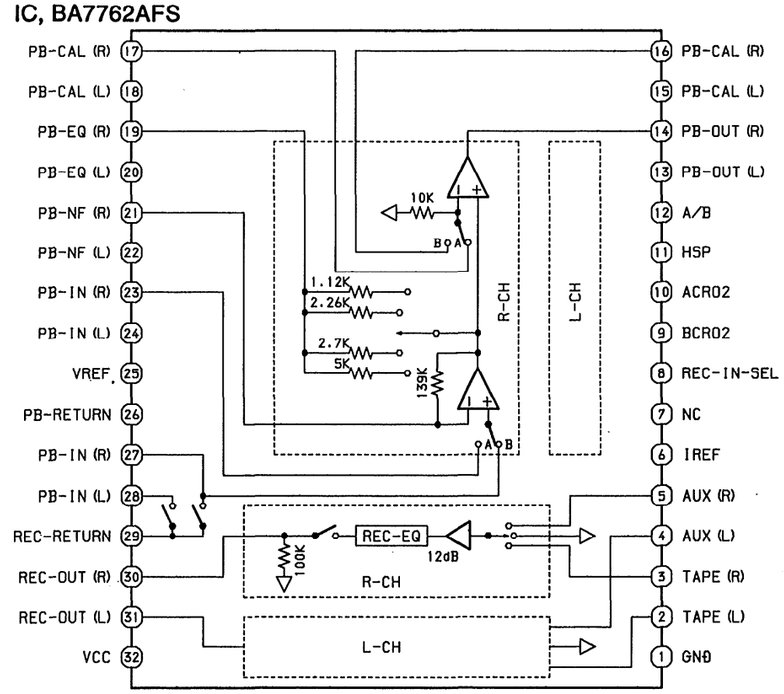


SCHEMATIC DIAGRAM – 11 (TUNER FRONT END)

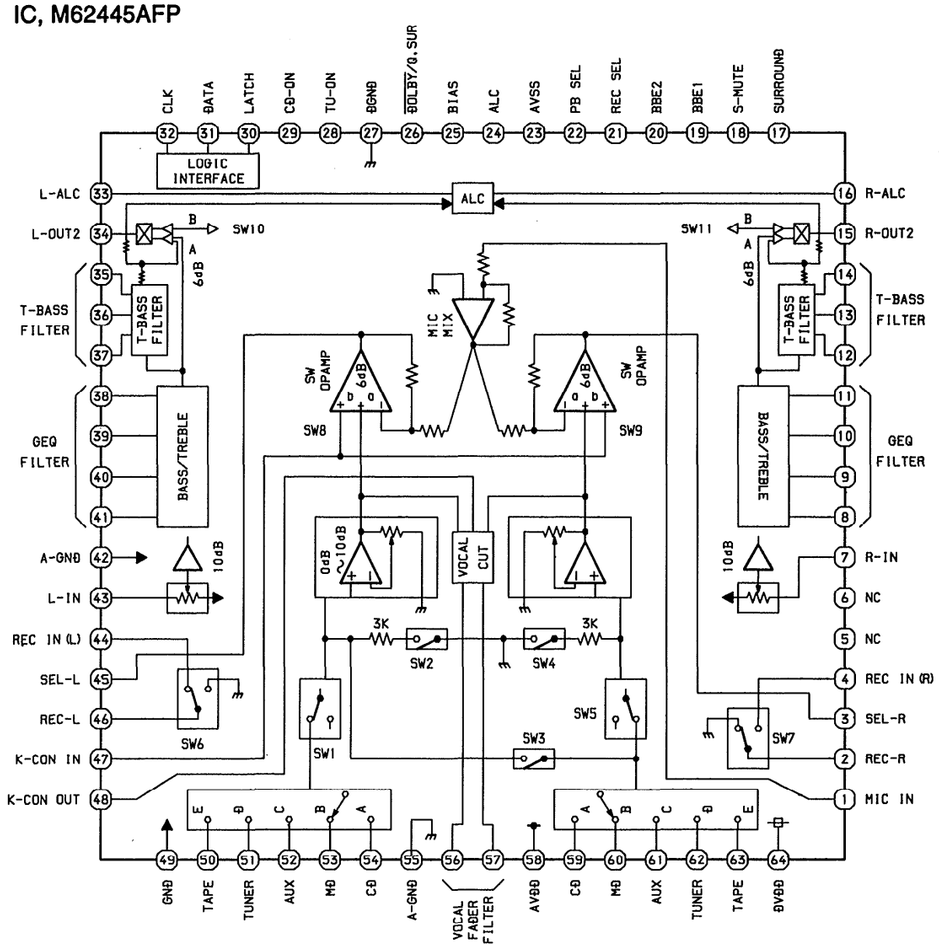


IC BLOCK DIAGRAM – 1

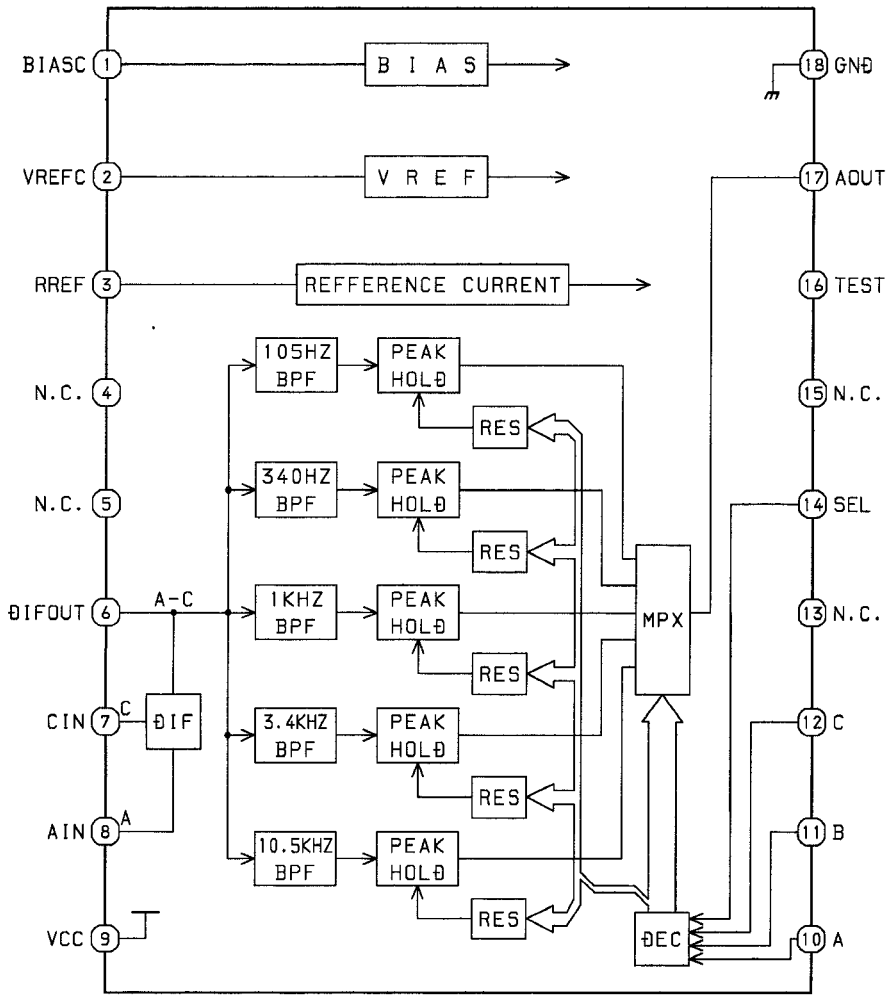
IC, BA7762AFS



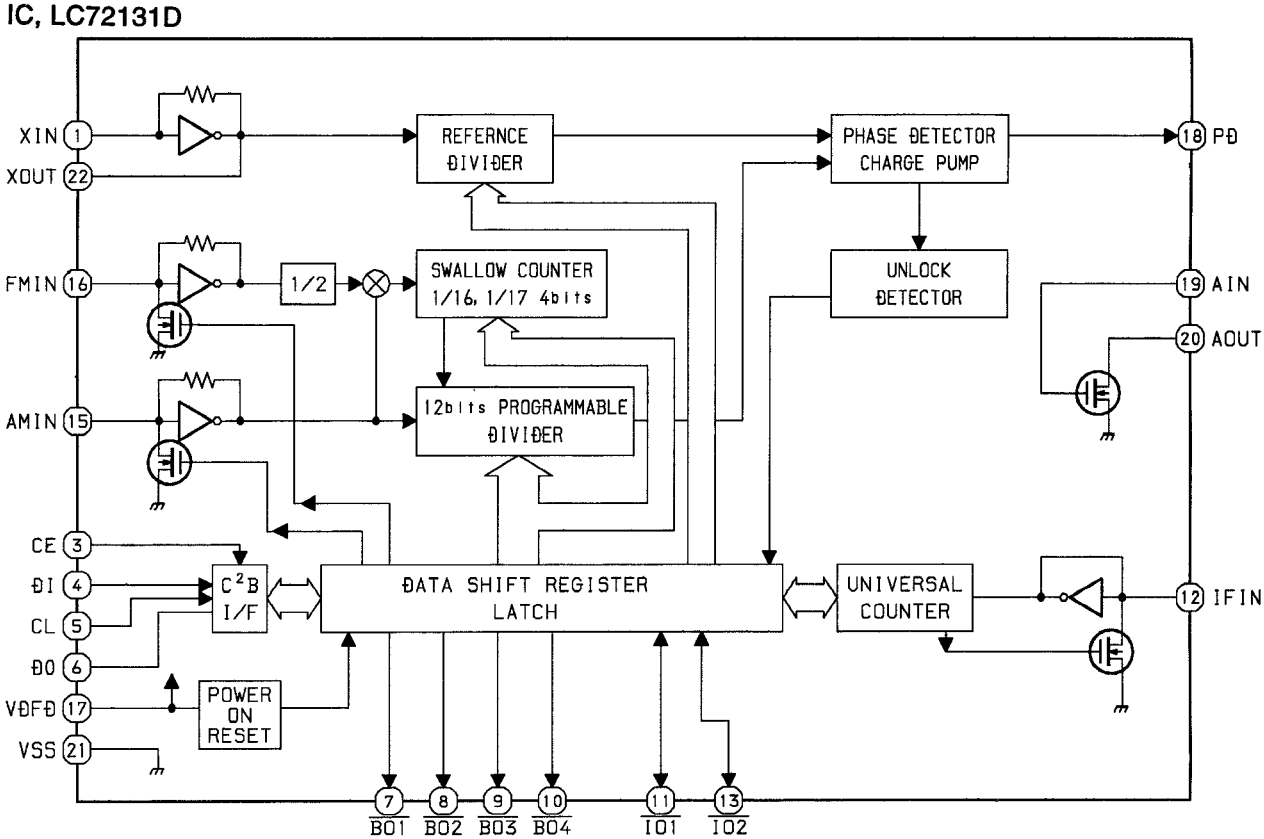
IC, M62445AFP



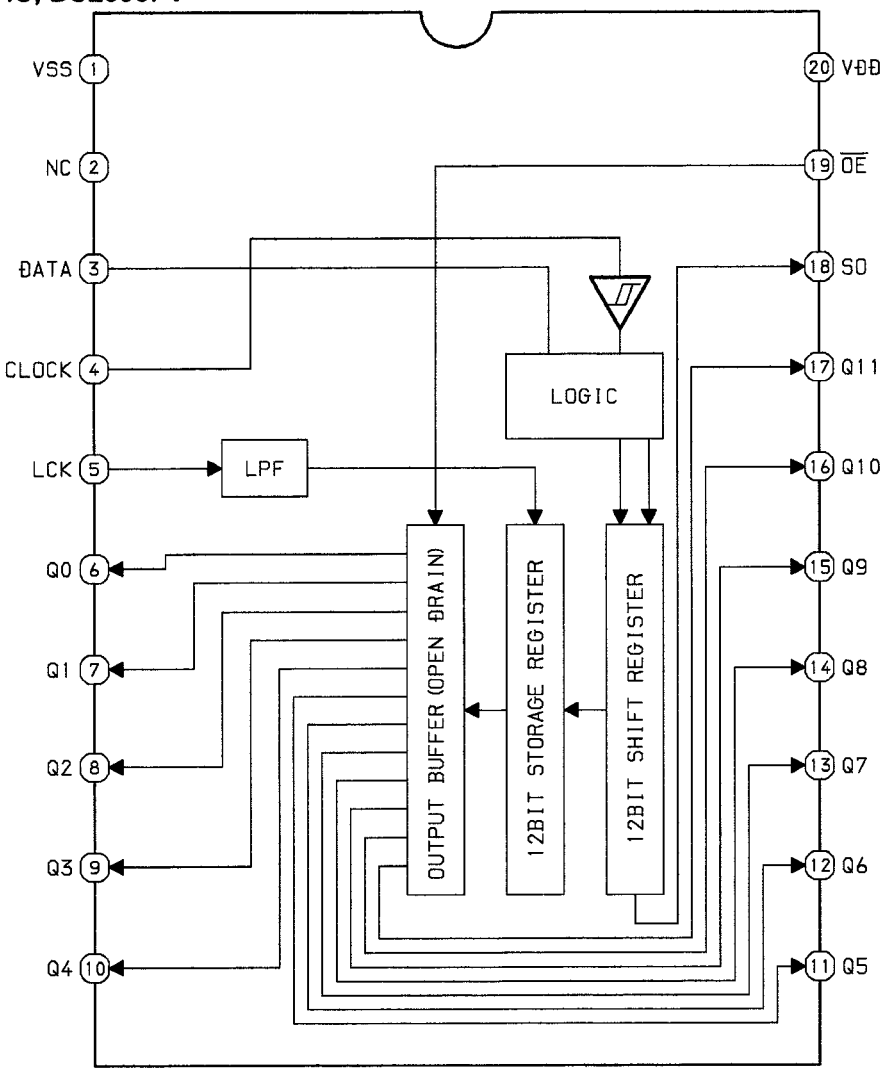
IC, BA3835F



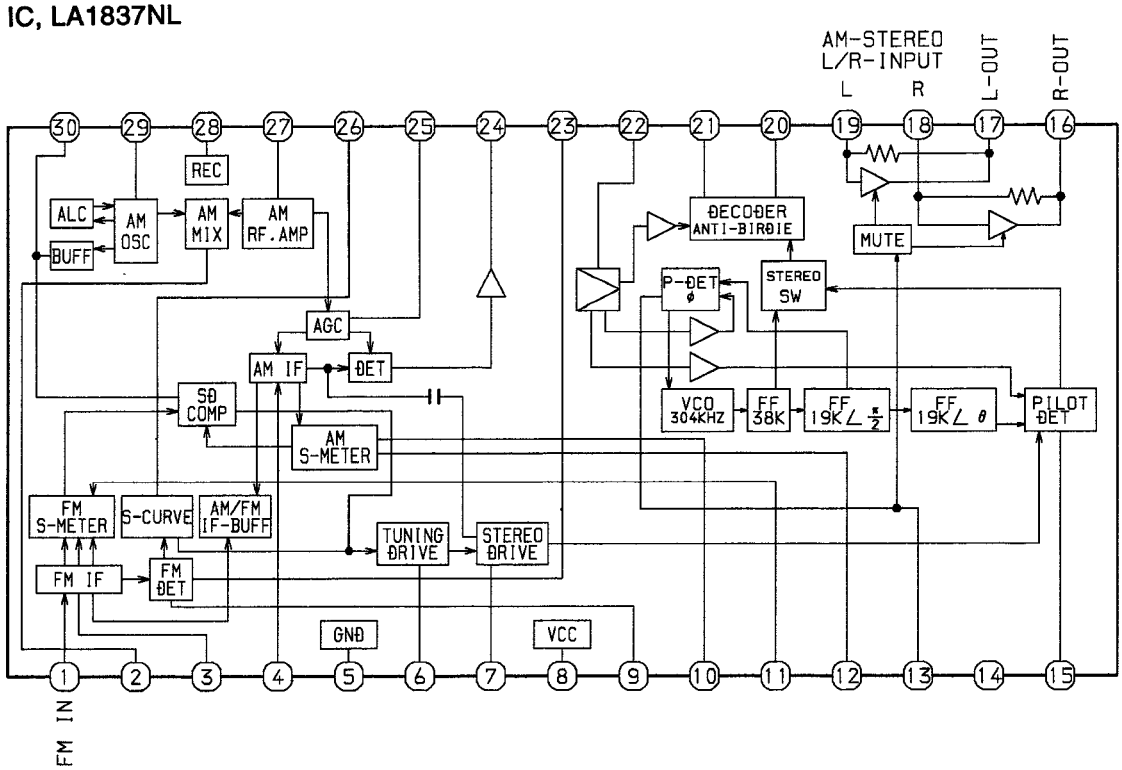
IC, LC72131D



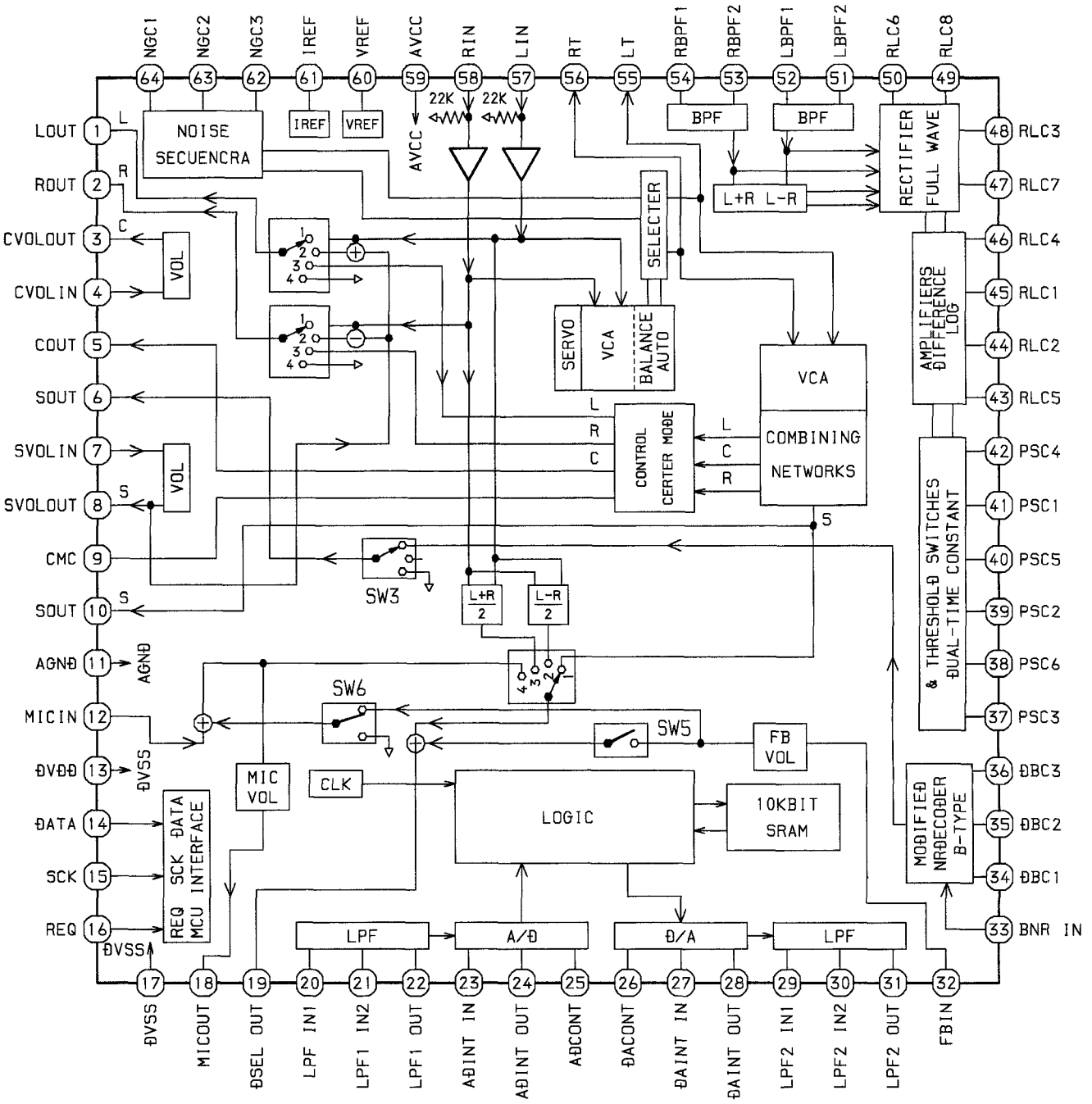
IC, BU2099FV



IC, LA1837NL



IC, M62463AFP



IC DESCRIPTION

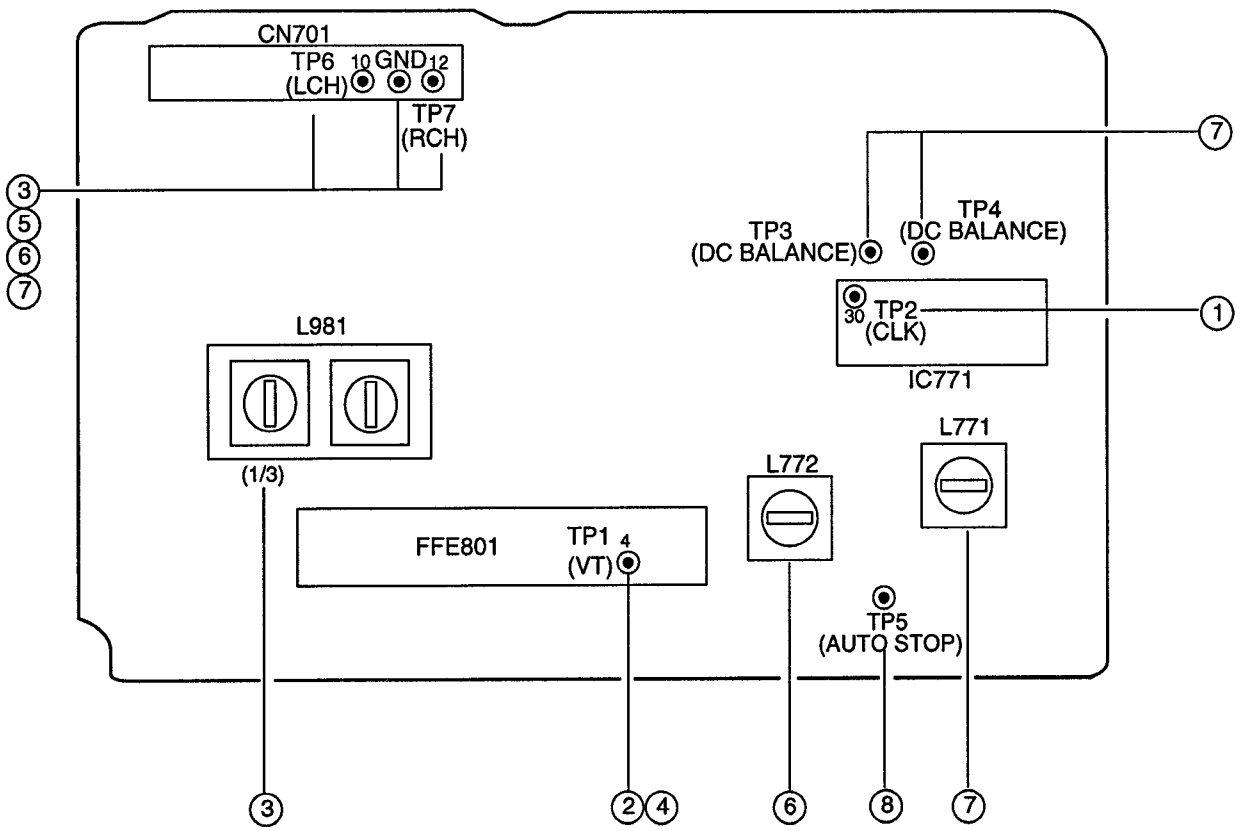
IC, uPD780228GF-031-3BA

Pin No.	Pin Name	I/O	Description
1	O-K-SCAN	O	Key scan output.
2	I-JOG-A	I	Dial jog rotary encoder input A.
3	I-JOG-B	I	Dial jog rotary encoder input B.
4	TAPE	O	" TAPE " LED ON/OFF output.
5	TUNER	O	" TUNER " LED ON/OFF output.
6	AUX	O	" AUX " LED ON/OFF output.
7	CD	O	" CD " LED ON/OFF output.
8	O-MOTOR	O	DECK MOTOR ON/OFF output.
9	O-SOL2	O	DECK2 solenoid output.
10	O-SOL1	O	DECK1 solenoid output.
11	O-MUTE	O	System mute ON/OFF output.
12	O-CD.OPEN	O	CD tray open data output.
13	O-CD.CLOSE	O	CD tray close data output.
14	O-STB (SHIFT)	O	Latch strobe output for FRONT shift register.
15	I-HP-MUTE	I	Headphone insert detection input.
16	I-TM-BASE	I	Base input for clock.
17	IC	–	Internal connection (connected to GND).
18	VSS	–	GND.
19	VDD	–	Power supply.
20	O-POWER	O	System power supply ON/OFF output.
21	O-STB (M)	O	Strobe output for MAIN.
22	O-CLOCK (M)	O	Clock output for MAIN.
23	O-DATA (M)	O	Data output for MAIN.
24	O-CD.DISH.F	O	CD turntable forward rotation output.
25	O-CD.DISH.R	O	CD turntable reverse rotation output.
26	I-WRQ/I-STEREO	I	CD WRQ input / Tuner stereo input.
27	I-DRF/I-IFCNT	I	CD DRF input / Tune IF count serial data input.
28	I-RDS-CLK	I	Tuner RDS clock input.
29	I-SUBQ/I-RDS DATA	I	CD SUBQ data input / RDS data input.
30	RESET	–	System reset.
31	O-DATA	O	CD data output.
32	O-CDCLK	O	CD clock output.
33	O-CD-CE	O	CD enable output.
34	I-RMC	I	System remote control input.
35	I-DISH.SENS	I	CD turntable photo sensor input.
36	O-CLK-SHIFT	O	Micon clock shift output.
37	VDD1	–	Power supply.
38	X2	–	4.19MHz oscillator circuit.
39	X1	–	4.19MHz oscillator circuit.
40	VSS1	–	GND.
41	AVDD	–	Power supply.
42	I-HOLD	I	Power failure detected input." L " to stop clock and main memory.
43	I-CD.SW	I	CD mecha switch input.
44	I-SPEANA	I	AD input for spectrum analyser.

Pin No.	Pin Name	I/O	Description
45	I-RE.VOL	I	Volume jog AD input.
46	I-RDS-SIG	I	RDS tuner signal input.
47	I-KEY3	I	Key3 input.
48	I-KEY2	I	Key2 input.
49	I-KEY1	I	Key1 input.
50	AVSS	-	GND.
51	O-CDLED	O	CD flash window LED ON/OFF output.
52	O-PLL-CE	O	Chip enable output for tuner PLL.
53 ~ 58	P1 ~ P6	O	FL segment P1 ~ P6 output.
59	P7/REV2	I/O	FL segment P7 output / REV2 data input.
60	P8/REV1	I/O	FL segment P8 output / REV1 data input.
61	P9/AM10K	I/O	FL segment P9 output / AM10K data input.
62	P10/AMST.WIDE	I/O	FL segment P10 output / AMST WIDE data input.
63	P11/LW	I/O	FL segment P11 output / LW mode data input.
64	P12/SW	I/O	FL segment P12 output / SW mode data input.
65	P13/FM1	I/O	FL segment P13 output / FM1 mode data input.
66	P14/RDS	I/O	FL segment P14 output / RDS data input.
67	P15/CST2	I/O	FL segment P15 output / DECK2 cassette detect switch data input.
68	P16/REB	I/O	FL segment P16 output / DECK2 side B record OK switch data input.
69	P17/CAM2	I/O	FL segment P17 output / DECK2 CAM switch data input.
70	P18/AUTO1	I/O	FL segment P18 output / DECK1 AUTO STOP switch data input.
71	P19/AUTO2	I/O	FL segment P19 output / DECK2 AUTO STOP switch data input.
72	P20/CAM1	I/O	FL segment P20 output / DECK1 CAM switch data input.
73	P21/CST1	I/O	FL segment P21 output / DECK1 cassette detect switch data input.
74	P22/REA	I/O	FL segment P22 output / DECK2 side A record OK switch data input.
75	P23/KARAOKE	I/O	FL segment P23 output / KARAOKE data input.
76	P24/PROLOGIC	I/O	FL segment P24 output / PROLOGIC data input.
77	P25/NO DEMO	I/O	FL segment P25 output / NO DEMO data input.
78	P26	O	FL segment P26 output
79	VDD2	-	Power supply.
80	-VFL	-	Power supply for FL display.
81	SPEANA-A/P27	O	Spectrum analyser band switching data output / FL segment P27 output.
82	SPEANA-B/P28	O	Spectrum analyser band switching data output / FL segment P28 output.
83	SPEANA-C/P29	O	Spectrum analyser band switching data output / FL segment P29 output.
84 ~ 89	P30 ~ P35	O	FL segment P30 ~ P35 output.
90 ~100	G11 ~ G1	O	FL grid G11 ~ G1 output.

ADJUSTMENT <TUNER>

[D] TUNER C.B



< TUNER SECTION >

1. Clock Frequency Check
   Settings : • Test point : TP2
   Method : Set to AM 1710kHz and check that the test point is 2160kHz ± 45Hz.

2. AM VT Check
   Settings : • Test point : TP1
   Method : Set to AM 1710kHz and AM 530kHz and check that the test point is less than 8.5V(1710kHz) and more than 0.6V(530kHz).

3. AM Tracking Adjustment
   Settings : • Test point : TP6(Lch), TP7(Rch)
   • Adjustment location :
   L981(1/3) 1000kHz
   Method : Set to AM 1000kHz and adjust L981(1/3) so that the test point becomes max.

4. FM VT Check
   Settings : • Test point : TP1
   Method : Set to FM 108.0MHz and check that the test point is less than 8.0V.
   Set to FM 87.5MHz and check that the test point is more than 0.5V.

5. FM Tracking Check
   Settings : • Test point : TP6(Lch), TP7(Rch)
   Method : • Set to FM 98.0MHz and check that the test point is less than 9.0dBμV.

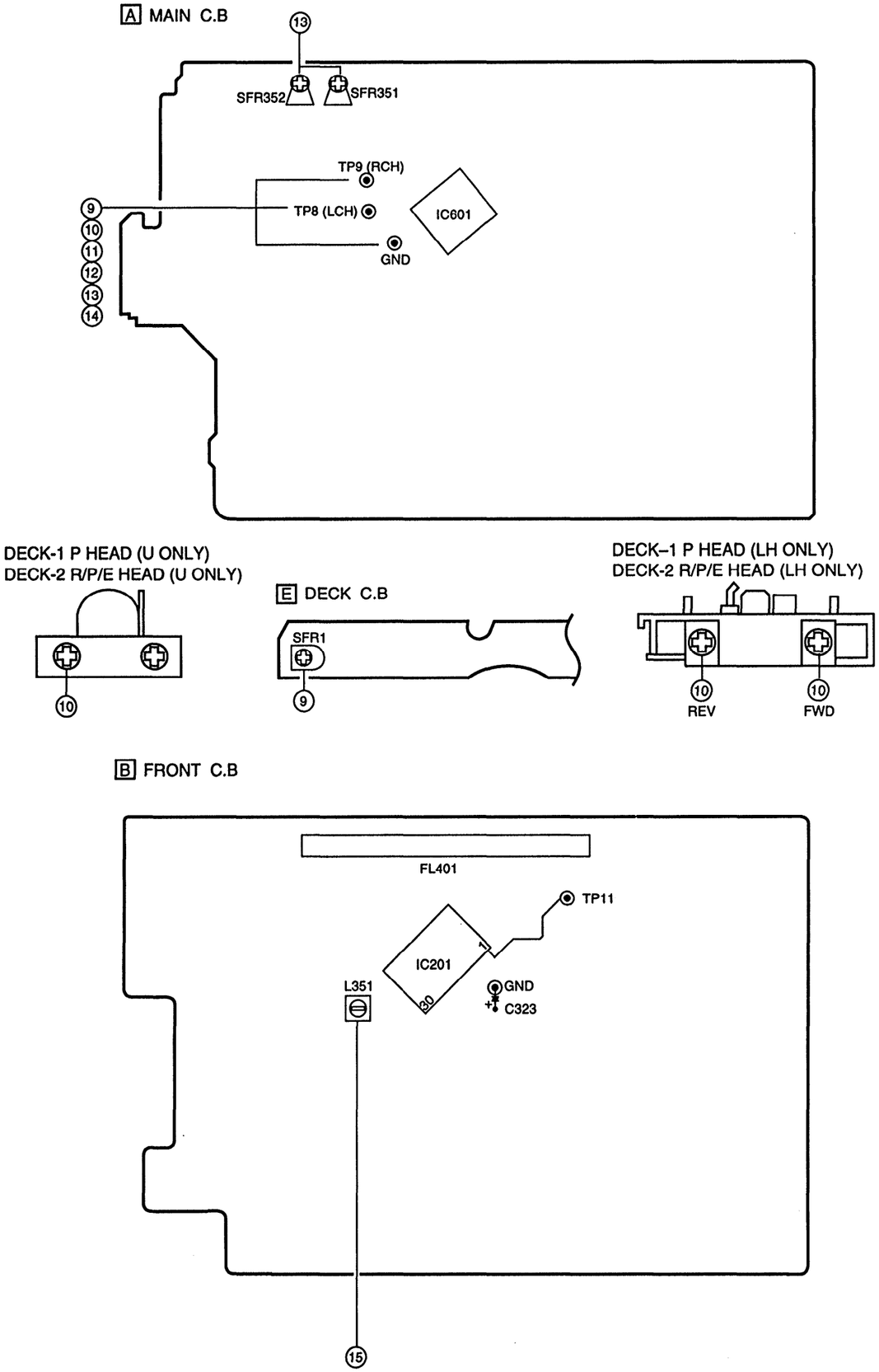
6. AM IF Adjustment
   Settings : • Test point : TP6(Lch), TP7(Rch)
   • Adjustment location :
   L772 ..... 450kHz
   Method : • Adjust L772 so that the output becomes max

7. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3, TP4 (DC Balance)
   TP6(Lch), TP7(Rch) (Distortion)
   • Adjustment location : L771
   • Input level : 60dBμV
   Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 becomes 0V ± 0.04V.
   Next, check that the distortion is less than 1.3%

8. Auto Stop Level Check
   AM
   Settings : • Test point : TP5
   • Input level : 52dBμV
   Method : Set to AM 1000kHz and check that the auto stop is at 52dBμV +10/-15dB.

   FM
   Settings : • Test point : TP5
   • Input level : 25dBμV
   Method : Set to FM 98.0MHz and check that the auto stop is at 25dBμV ± 10dB.

ADJUSTMENT <DECK>



< DECK SECTION >

9. Tape Speed Adjustment (DECK 1, DECK 2)
   Settings : • Test tape : TTA–100
   • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location : SFR1
   Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz ± 5Hz(FWD) and ±45Hz (REV) with respect to forward speed.

10. Head Azimuth Adjustment (DECK 1, DECK 2)
    Settings : • Test tape : TTA–330
    • Test point : TP8(Lch), TP9(Rch)
    • Adjustment location : Head azimuth adjustment screw
    Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.

11. PB Frequency Response Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–330
    • Test point :TP8(Lch), TP9(Rch)
    Method : Play back the 315Hz and 8kHz signals of the test tape and check that the output ratio of the 8kHz signal with respect to that of the 315Hz signal is within 5dB.

12. PB Sensitivity Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–200
    • Test point : TP8(Lch), TP9(Rch)
    Method : Play back the test tape and check that the output level of the test point is 300mV ± 3dB.

13. REC/PB Frequency Response Adjustment (DECK 1)
    Settings : • Test tape : TTA–602
    • Test point : TP8(Lch), TP9(Rch)
    • Input signal : 1kHz / 10kHz (LINE IN)
    • Adjustment location : SFR351 (Lch) SFR352 (Rch)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes -20VU(-30.2dBV). Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signal becomes 0dB ± 0.5dB with respect to that of the 1kHz signal.

14. REC/PB Sensitivity Check (DECK 1)
    Settings : • Test tape : TTA–602
    • Test point : TP8(Lch), TP9(Rch)
    • Input signal : 1kHz (LINE IN)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP8, TP9 becomes 0VU (-10.2dBV). Record and play back the 1kHz signals and check that the output is 0dB ± 3.5dB.

15. μ-con OSC Adjustment
    Settings : • Test point : TP11,GND
    • Adjustment location : L351
    Method : Insert AC plug while pressing TUNER function key. Adjust L351 so that the frequency across the test point becomes 84.8 ± 0.08Hz.

PRACTICAL SERVICE FIGURE

<TUNER SECTION>

FM SECTION

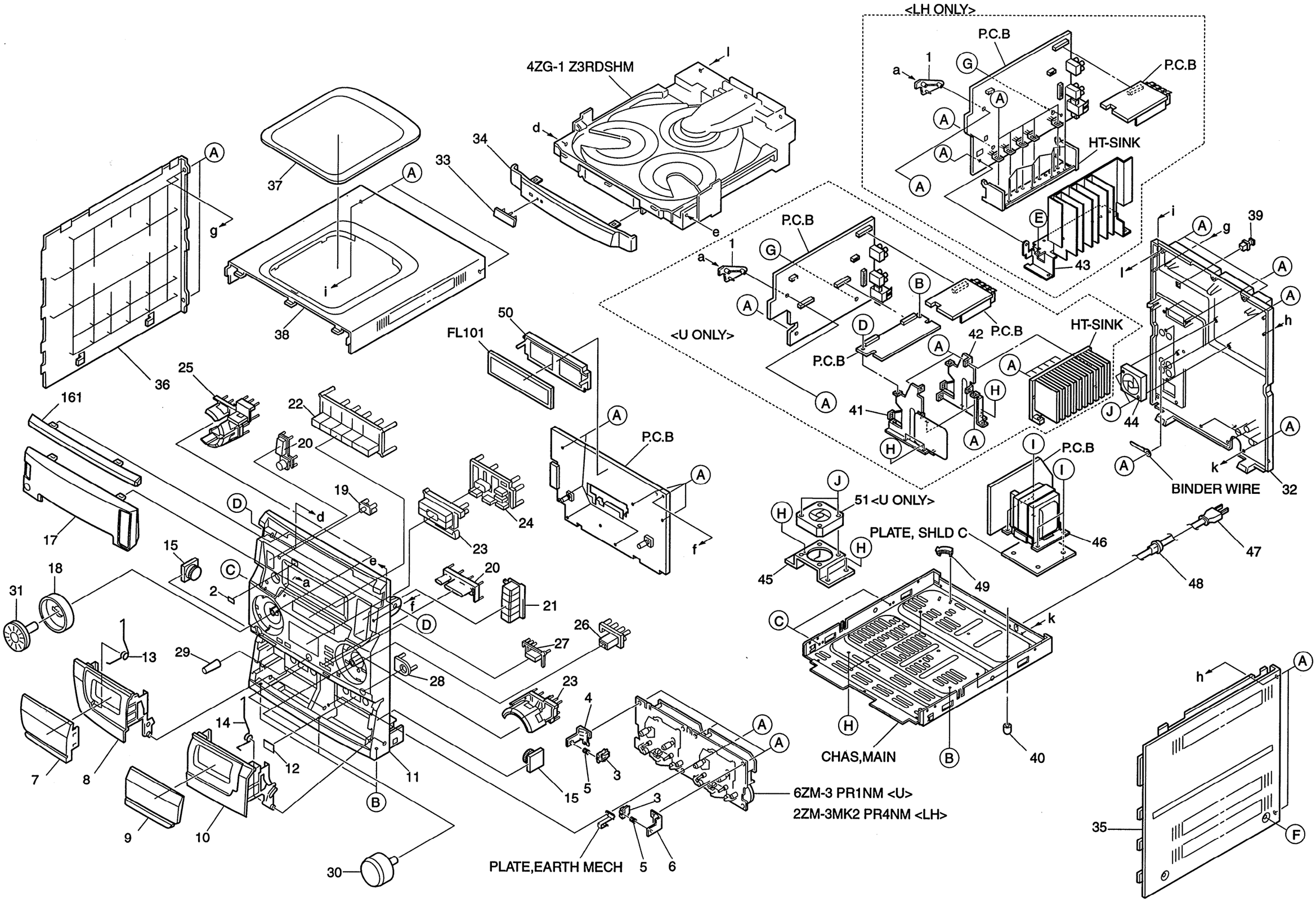
IHF Sensitivity :	Less than 10dB (at 87.5/ 98.0/108.0MHz)
Signal to noise ratio :	More than 68dB (at 98.0MHz)<MONO>
	More than 66dB (at 98.0MHz)<STEREO>
S/N 50dB Quieting sensitivity :	Less than 35dBμV (at 98.0MHz)
Distortion :	Less than 1.2%(at 98.0MHz) <MONO>
	Less than 2.0%(at 98.0 MHz) <STEREO>
Stereo separation :	More than 22dB (at 98.0MHz)
Auto stop level :	25dBμV ± 10dB (at 98.0 MHz)
Intermediate frequency :	10.7MHz

MW SECTION

Sensitivity :	Less than 60 dB (at 603kHz)
	Less than 58 dB (at 1000/1404kHz)
S/N :	More than 36 dB (at 1000kHz)
Distortion :	Less than 1.5% (at 1000kHz)
Auto stop level :	52dBμV +10 /-15dB (at 1000kHz)
Intermediate frequency :	450kHz

<DECK SECTION>

Tape speed :	3000Hz ± 45Hz
Wow & flutter :	Less than 0.25% (W.R.M.S.)
Take-up torque :	30 ~ 55g-cm
F.F & REW torque :	75 ~ 180g-c
Back tension :	2 ~ 7g-cm (FWD,REV)
PB Output level :	250mV ± 3dB (SP OUT 2V)
REC/PB Output level :	0dB ± 1dB (SP OUT 2V)
Distortion (REC/PB) :	Less than 2.0%
Noise level (PB) :	Less than 1.0mV(FILTER DIN AUDIO)
Noise level (REC/PB) :	Less than 1.2mV(FILTER DIN AUDIO)
Erasing ratio :	More than 60dB (at 125Hz)
Test Tape :	TTA-602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P.C.B
P.C.B
HT-SINK
43
4ZG-1 Z3RDSHM
<U ONLY>
P.C.B
P.C.B
HT-SINK
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41
BINDER WIRE
32
51 <U ONLY>
PLATE, SHLD C
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47
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CHAS,MAIN
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6ZM-3 PR1NM <U>
2ZM-3MK2 PR4NM <LH>
PLATE,EARTH MECH
FL101
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161
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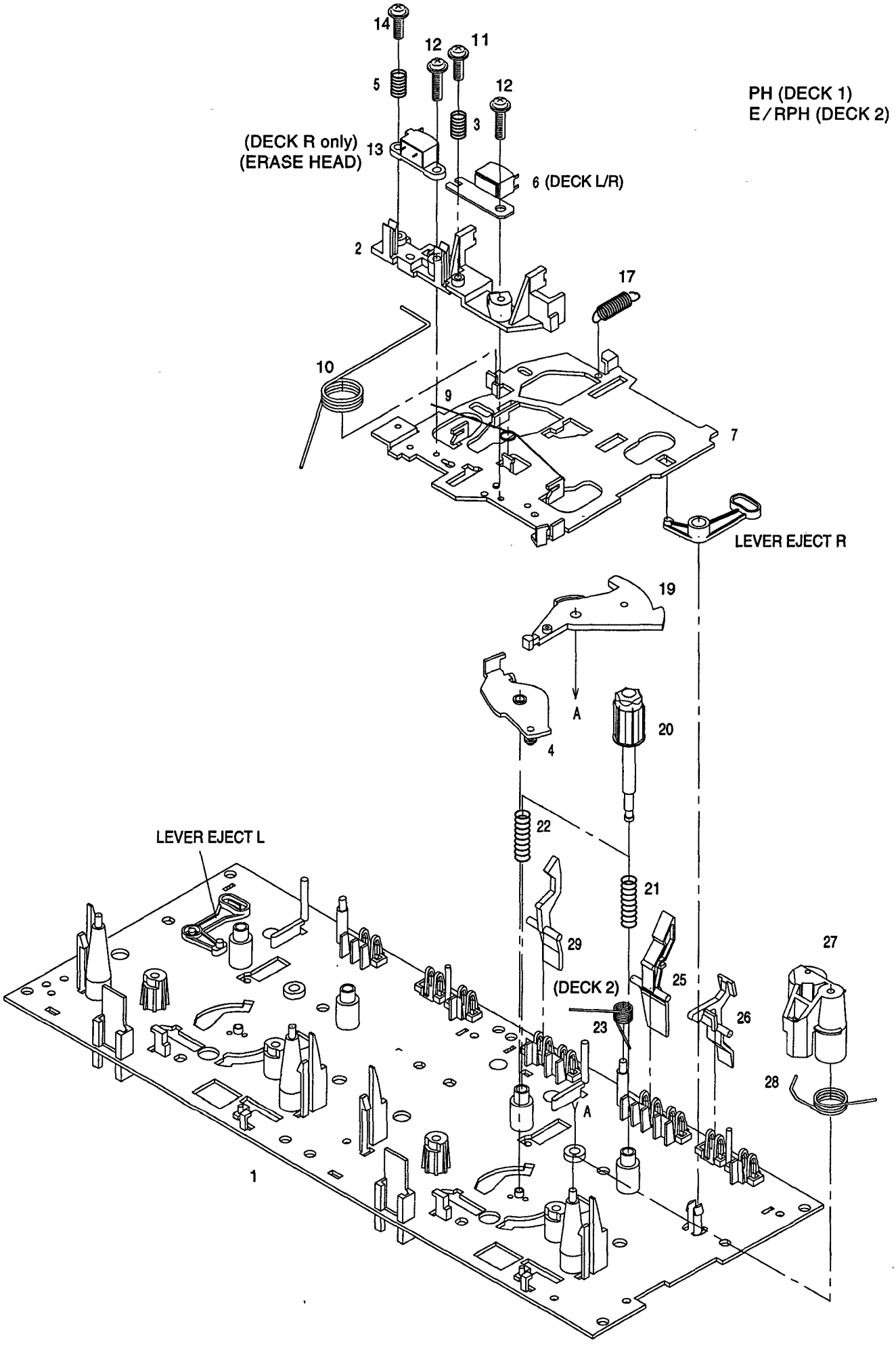
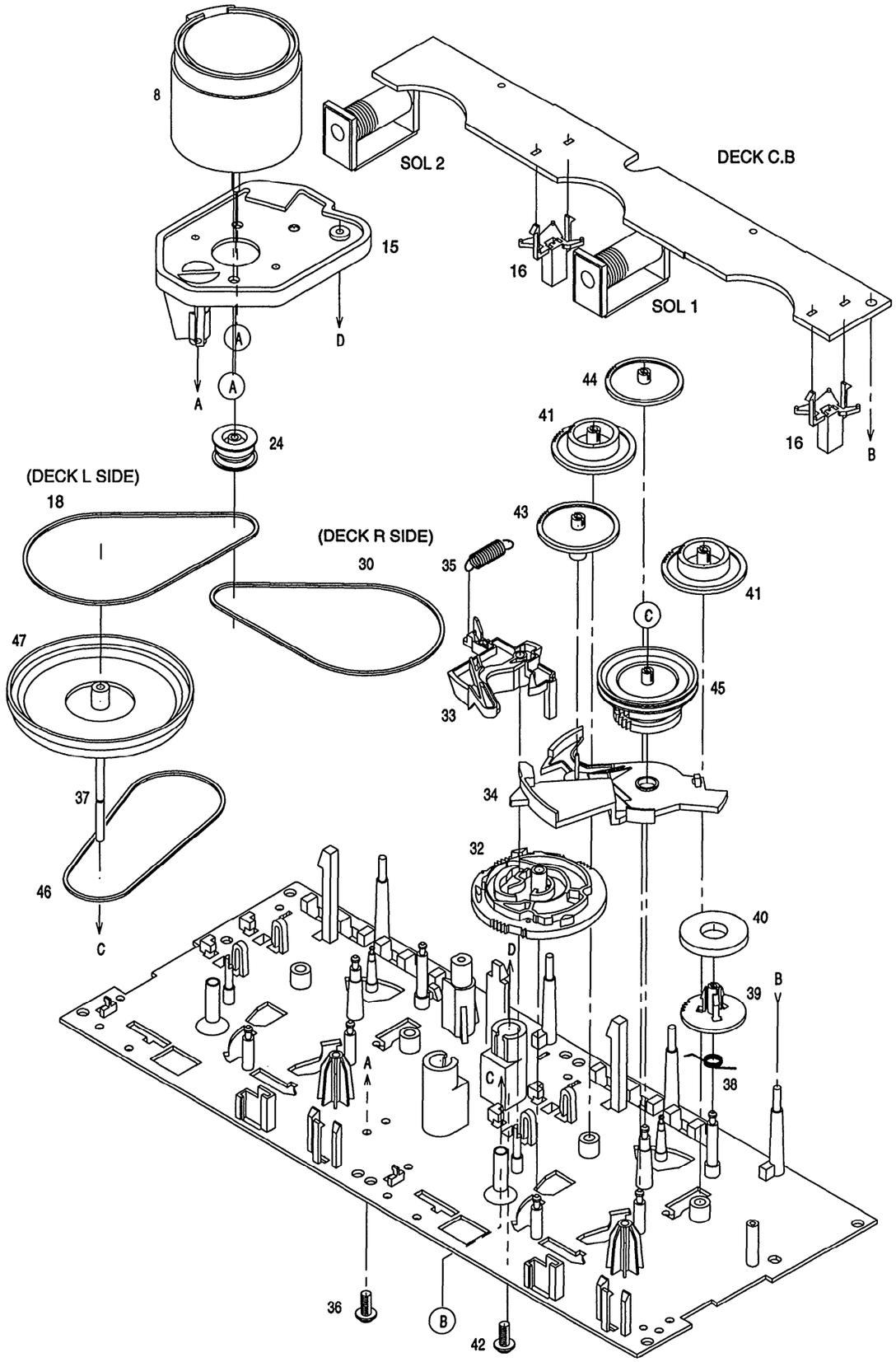
MECHANICAL PARTS LIST 1 / 1

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	88-NF5-208-010		HLDR,PWB-M N
2	8Z-NFV-002-010		PLATE,PRO
3	82-NF5-229-010		PLATE,LOCK
4	87-NF4-216-010		HLDR,LOCK 1
5	86-NF9-224-010		SPR-C,LOCK
6	87-NF4-217-010		HLDR,LOCK 2
7	8Z-NF8-021-010		WINDOW,CASS 1
8	8Z-NF8-003-010		BOX,CASS 1U
8	8Z-NF8-037-010		BOX,CASS 1H
9	8Z-NF8-022-010		WINDOW,CASS 2
10	8Z-NF8-004-010		BOX,CASS 2U
10	8Z-NF8-038-010		BOX,CASS 2H
11	8Z-NFV-006-010		CABI,FR U
11	8Z-NFV-013-010		CABI,FR LH
12	81-532-080-010		LABEL, CASS. COMPT
13	82-NF5-218-010		SPR-T,EJECT 1 (SIN)
14	82-NF5-219-010		SPR-T,EJECT 2 (SIN)
15	87-NF8-220-010		DMPR,150
16	8Z-NF8-024-010		WINDOW,CD
17	8Z-NFV-003-010		WINDOW,DISP U
17	8Z-NFV-004-010		WINDOW,DISP H
18	8Z-NF8-029-010		REFLECTOR,JOG
19	8Z-NF8-007-010		REFLECTOR,ECO
20	8Z-NF8-005-010		KEY,POWER
21	8Z-NF8-010-010		KEY,ASSY FUN
22	8Z-NF8-006-010		KEY,CD
23	8Z-NF8-016-010		KEY,ASSY PAUSE
24	8Z-NF8-030-010		KEY,ASSY PLAY U
24	8Z-NF8-013-010		KEY,ASSY PLAY
25	8Z-NF8-008-010		KEY,TIMER
26	8Z-NF8-050-010		KEY,KARAOKE
27	8Z-NFV-010-010		KEY,PRO U
27	8Z-NFV-001-010		KEY,PRO
28	8Z-NF9-204-010		PLATE,MIC
29	8Z-NF8-028-010		KNOB,RTRY MIC
30	8Z-NF8-027-010		KNOB,RTRY VOL
31	8Z-NF8-026-010		KNOB,RTRY JOG
32	8Z-NFV-021-010		CABI,REAR USTNM
32	8Z-NFV-026-010		CABI,REAR LHSTM
33	82-NE6-067-010		BADGE,AIWA 30N
34	8Z-NF8-025-010		PANEL,TRAY U
35	8Z-NF9-043-010		PANEL,RIGHT S V-2
36	8Z-NB8-011-110		PANEL,LEFT V-2
37	86-NFZ-001-010		WINDOW,TOP
38	8Z-NF9-042-010		PANEL,TOP V-2
39	84-ZG1-245-210		CAP,OPTICAL
40	8Z-NB8-240-010		COVER, PL
41	8Z-NFV-203-010		HLDR,HT F<U>
42	8Z-NFV-204-010		HLDR,HT R<U>
43	8Z-NF8-205-010		HLDR,HT-SINK<LH>
44	87-A90-796-010		FAN,F614R-12MC-15-300MM
45	8Z-NB8-216-010		HLDR,FAN<U>
46	8Z-NFV-604-010		PT,ZNF-28 U<U>
46	8Z-NFV-607-010		PT,ZNF-28 LH<LH>
47	87-A80-110-010		AC CORD ASSY,U SPT-2W<U>
47	87-050-079-010		AC CORD ASSY,E<LH>
48	87-085-189-010		BUSHING, CORD (U)<U>
48	87-085-185-010		BUSHING, CORD (E)<LH>
49	87-NF4-221-010		HLDR,CABLE
50	88-NF8-205-010		GUIDE,FL
51	87-A90-796-010		FAN,F614R-12MC-15-300MM<U>
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-067-688-010		BVTT+3-6
C	87-721-096-410		QT2+3-10 GLD
D	87-721-097-410		QT2+3-12 GLD
E	87-067-581-010		TAPPING SCREW, BVT2+3-15<LH>
F	87-067-641-010		UTT2+3-8(W/O SLOT)BL
G	87-NF4-224-010		S-SCREW,IT3B+3-8 CU
H	87-067-584-010		TAPPING SCREW, BVT2+3-6
I	87-078-191-010		S-SCREW,IT+4-10
J	87-067-873-010		BVT2+3-25 W/O SLOT

TAPE MECHANISM EXPLODED VIEW 1 / 1 (U : 6ZM-3 PR1NM)



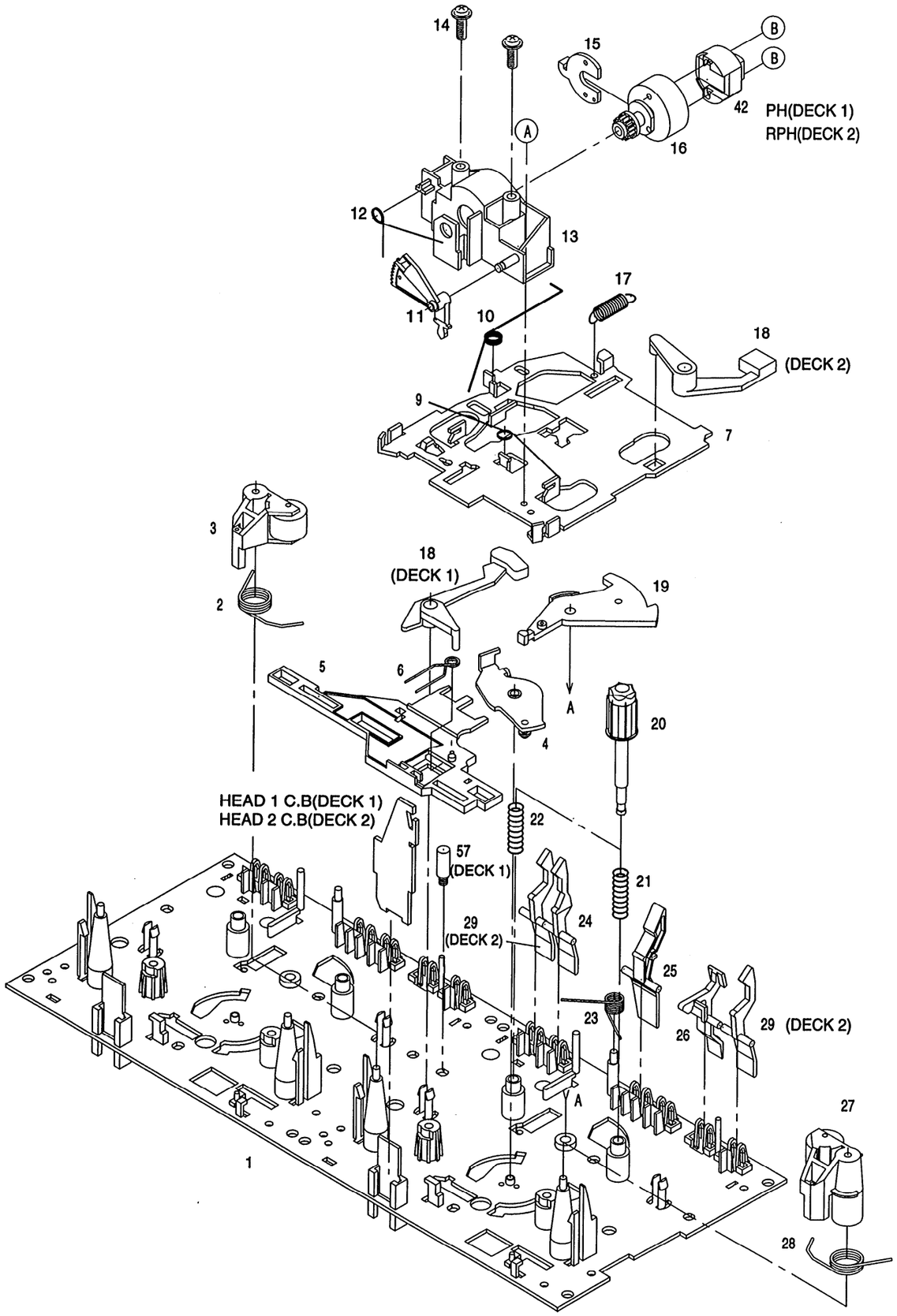


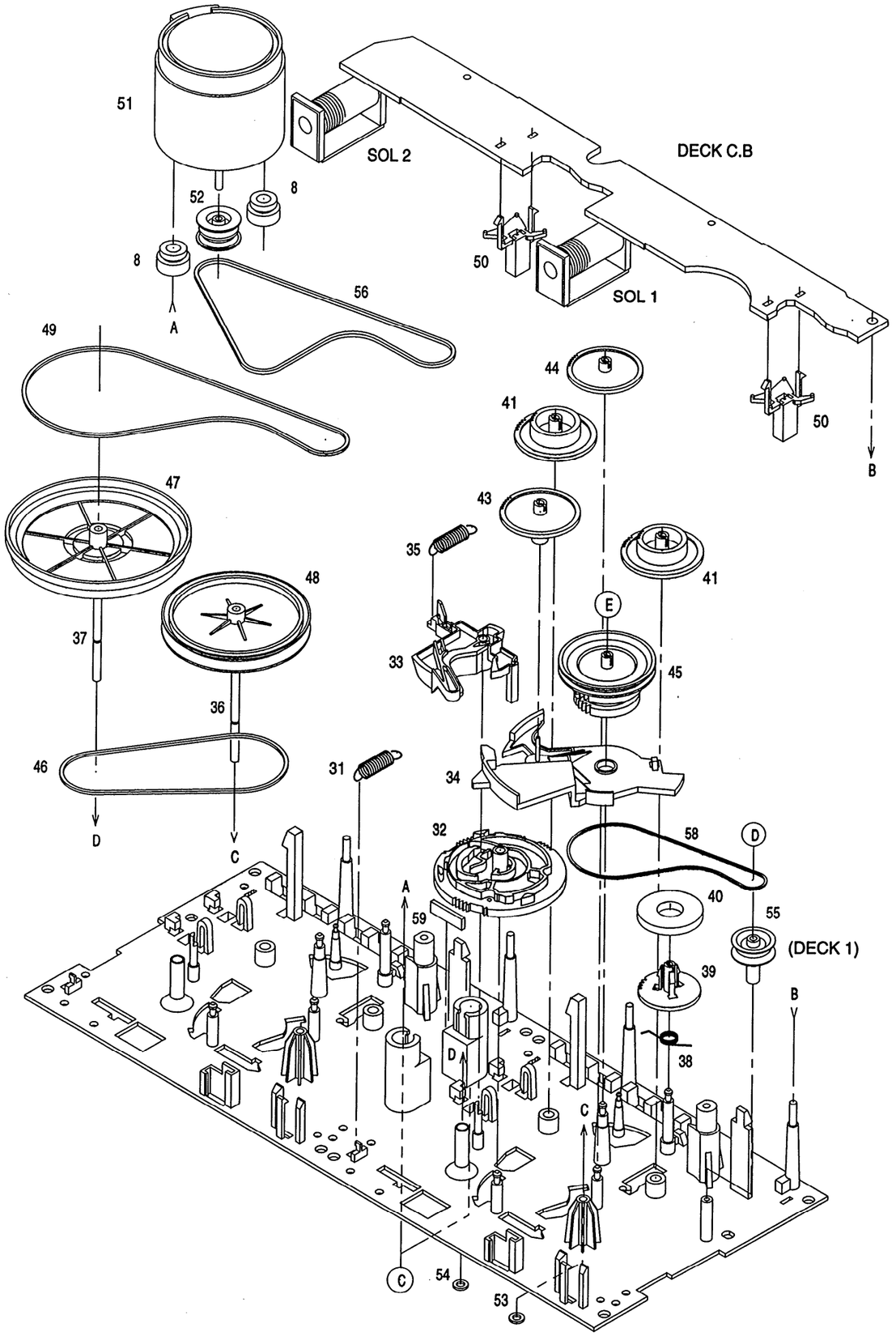
TAPE MECHANISM PARTS LIST 1 / 1 (U : 6ZM-3 PR1NM)

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	86-ZM3-212-010		CHAS ASSY,SS
2	86-ZM3-202-010		BASE,HEAD S
3	86-ZM3-205-010		SPR-C,RPH S
4	82-ZM1-333-210		PLATE,LINK 2
5	86-ZM3-206-010		SPR-C,EH S
6	87-A90-403-019		HEAD,RPH MS15R
7	86-ZM3-201-010		CHAS,HEAD S
8	87-045-347-019		MOT,SHU2L 70(M1)
9	82-ZM1-269-219		SPR-T,BRG
10	82-ZM3-323-119		SPR-T,LINK
11	86-ZM3-209-010		S-SCREW,ASIMUTHS
12	86-ZM3-207-010		S-SCREW,RPH
13	87-A90-404-019		HEAD,EH LE15B
14	86-ZM3-208-010		S-SCREW,EH
15	86-ZM3-203-010		HLDR,MOTS
16	82-ZM1-245-210		HLDR,IC
17	82-ZM1-218-019		SPR-E,HB
18	86-ZM3-211-010		BELT,RS
19	82-ZM1-222-219		LVR,PLAY
20	82-ZM1-217-419		REEL,TABLE
21	82-ZM1-244-519		SPR-C,BT
22	82-ZM1-285-410		SPR-C,BT L
23	82-ZM1-257-019		SPR-T,CAS
24	82-ZM3-221-010		PULLEY,MOT 2M
25	82-ZM1-242-019		LE=VR,CAS
26	82-ZM1-243-019		LVR,STOP
27	82-ZM1-344-119		LVR ASSY,PINCH
28	86-ZM3-204-010		SPR-T,PINCHDS
29	82-ZM1-240-119		LVR,REC (DECK 2)
30	86-ZM3-210-010		BELT,PS
31	82-ZM1-223-010		GEAR,PLAY
32	82-ZM3-305-019		GEAR,CAM M2
33	82-ZM1-227-319		LVR,TRIG
34	82-ZM3-306-110		LVR,FR M2
35	82-ZM1-265-119		SPR-E,TRIG
36	85-ZM3-203-019		S-SCREW MOTOR M3
37	82-ZM1-236-019		CAPSTAN N 2-41.5
37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
38	82-ZM1-322-019		SPR-T,FR60
39	82-ZM1-220-219		GEAR,IDLER
40	82-ZM3-616-019		RING MAGNET 4
41	82-ZM1-216-319		GEAR,REEL
42	85-ZM3-213-010		S-SCREW,HLDR MOT 3
43	82-ZM1-225-219		GEAR,FR
44	82-ZM1-226-019		GEAR,REW
45	82-ZM3-333-210		SLIP DISK ASSY 2
46	82-ZM1-338-010		BELT FR4
47	82-ZM1-349-019		FLY-WHL RW (DECK L).
47	82-ZM3-331-019		FLY-WHL R2W (DECK R)
A	87-251-071-417		U+2.6-4
B	80-ZM6-243-019		SH,1.75-3.6-0.5 SLT

TAPE MECHANISM EXPLODED VIEW 1 / 1 (LH : 2ZM-3MK2 PR4NM)



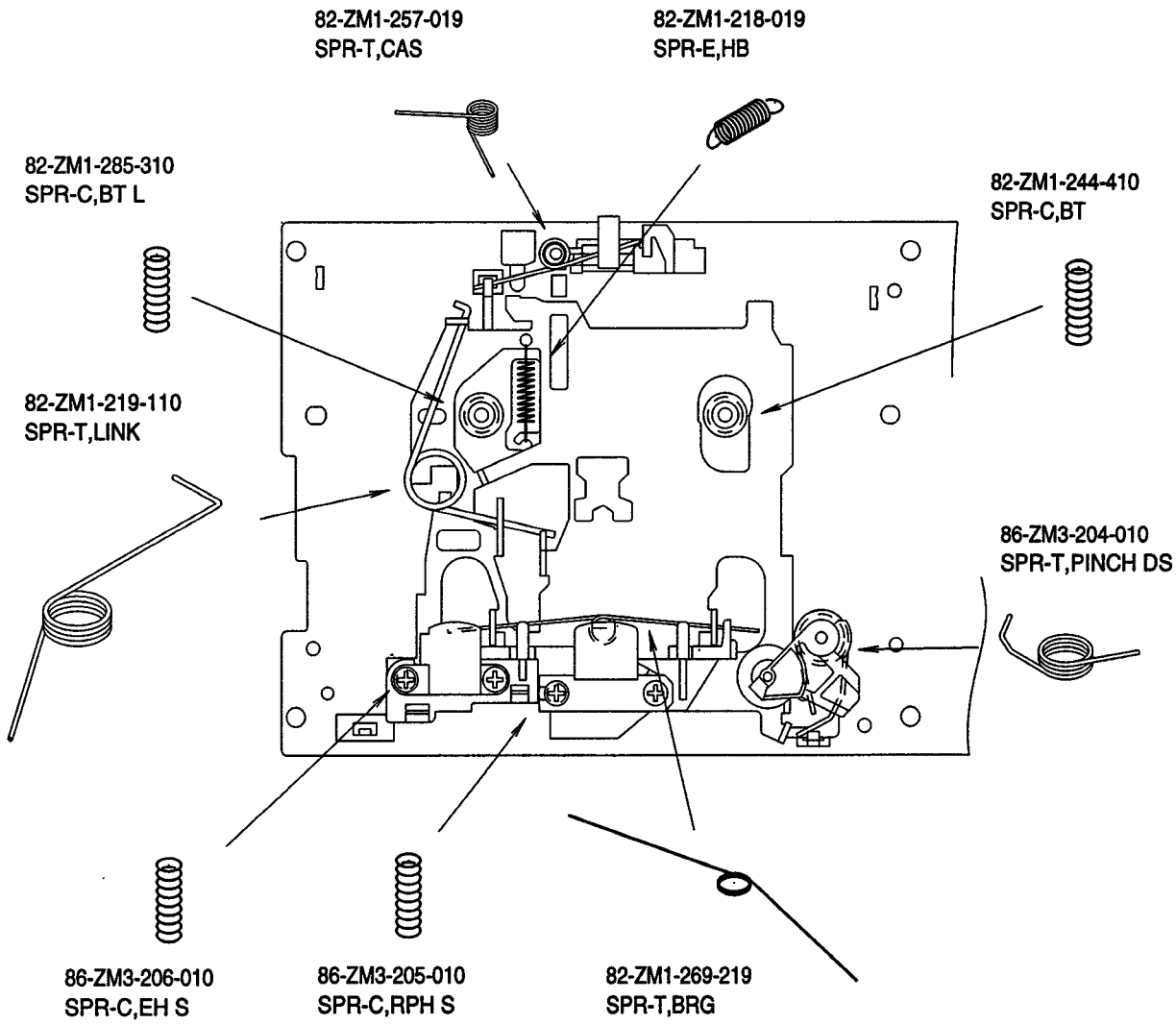


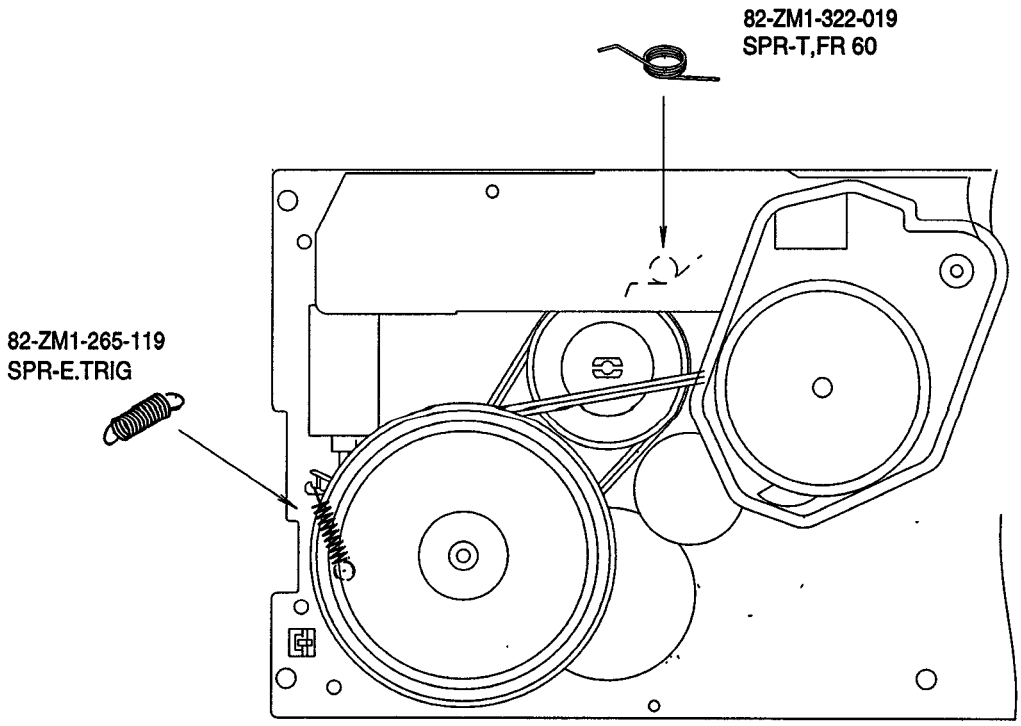
TAPE MECHANISM PARTS LIST 1 / 1 (LH : 2ZM-3MK2 PR4NM)

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

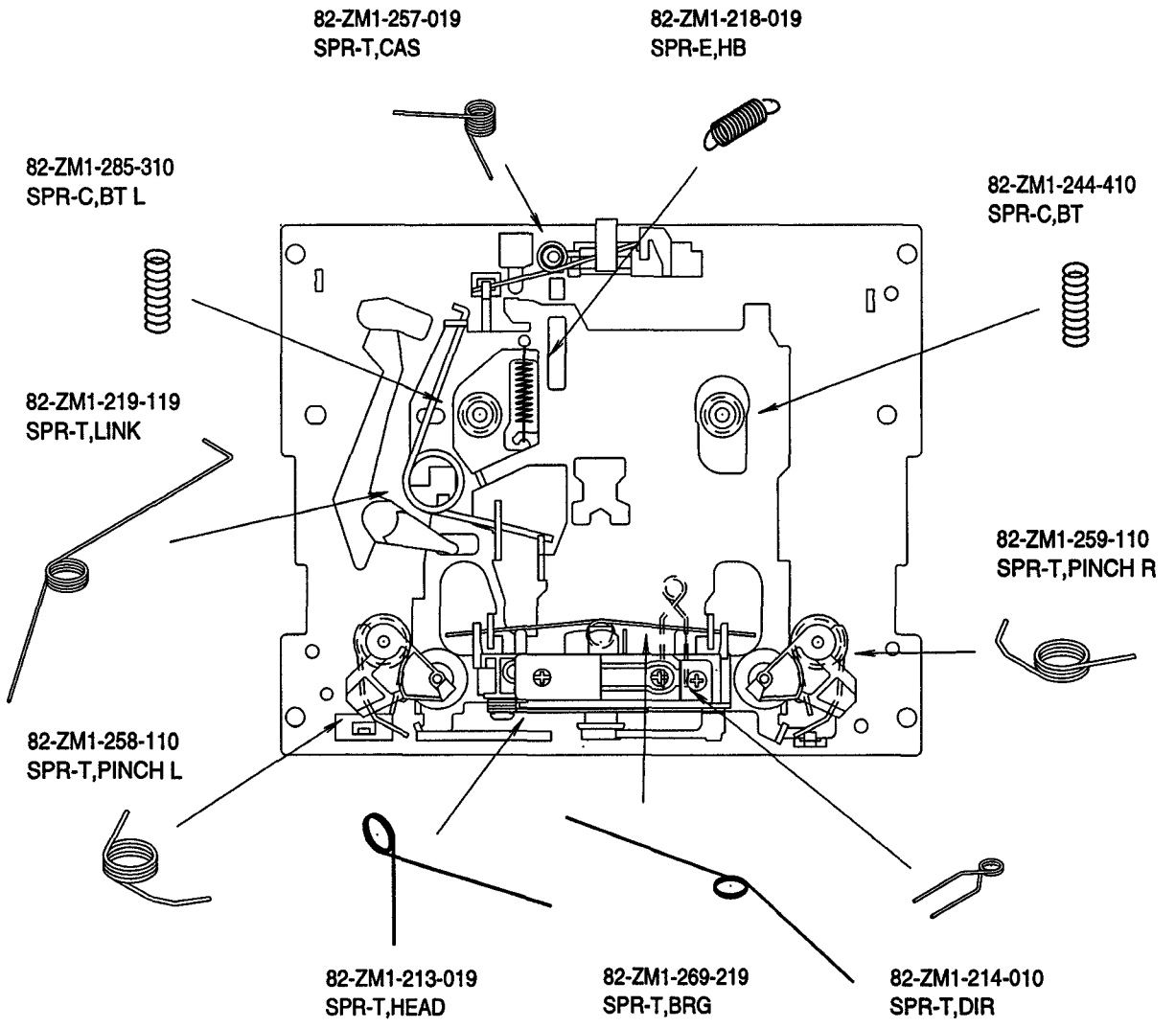
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-519		CHAS ASSY,M2
2	82-ZM1-258-110		SPR-T,PINCH L
3	82-ZM1-341-110		LVR ASSY,PINCH L2
4	82-ZM1-333-010		PLATE,LINK 2
5	82-ZM1-266-11K		LVR,DIR
6	82-ZM1-214-010		SPR-T,DIR
7	82-ZM1-206-81K		CHAS,HEAD
8	82-ZM3-307-019		CUSH-G,DIA3.7-8-3.2
9	82-ZM1-269-219		SPR-T,BRG
10	82-ZM1-219-119		SPR-T,LINK
11	82-ZM1-210-119		GEAR,H T
12	82-ZM1-213-019		SPR-T,HEAD
13	82-ZM1-207-619		GUIDE,TAPE
14	86-ZM4-206-010		S-SCREW,AZIMUTH
15	82-ZM1-314-119		PLATE,HEAD
16	82-ZM1-208-119		HLDR,HEAD
17	82-ZM1-218-019		SPR-E,HB
18	82-ZM1-263-110		LVR,EJECT L (DECK 1)
18	82-ZM1-264-010		LVR,EJECT R (DECK 2)
19	82-ZM1-222-21K		LVR,PLAY
20	82-ZM1-217-319		REEL TABLE
21	82-ZM1-244-510		SPR-C,BT
22	82-ZM1-285-310		SPR-C,BT L
23	82-ZM1-257-019		SPR-T,CAS
24	82-ZM1-241-319		LVR,MC
25	82-ZM1-242-019		LVR,CAS
26	82-ZM1-243-019		LVR,STOP
27	82-ZM1-344-110		LVR ASSY,PINCH R2
28	82-ZM1-259-110		SPR-T,PINCH R
29	82-ZM1-240-11K		LVR,REC (DECK 2)
31	82-ZM1-255-319		SPR-E,LVR DIR
32	82-ZM3-305-01K		GEAR,CAM M2
33	82-ZM1-227-21K		LVR,TRIG
34	82-ZM3-306-11K		LVR,FR M2
35	82-ZM1-265-119		SPR-E,TRIG
36	82-ZM1-236-019		CAPSTAN N 2-41.5
37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
38	82-ZM1-322-019		SPR-T,FR60
39	82-ZM1-220-219		GEAR,IDLER
40	82-ZM3-616-019		RING MAGNET 4
41	82-ZM1-216-31K		GEAR,REEL
42	87-A90-319-010		HEAD,PH HADKH2 FPC
42	87-A90-320-010		HEAD,RPH HADKH5 FPC
43	82-ZM1-225-21K		GEAR,FR
44	82-ZM1-226-019		GEAR,REW
45	82-ZM3-333-310		SLIP DISK ASSY 2
46	82-ZM1-338-010		BELT FR4
47	82-ZM1-349-110		FLY-WHL,R W(DECK 2)
47	82-ZM3-338-110		FLY-WHL,R3 W(DECK 1)
48	82-ZM1-348-010		FLY-WHL,L W(DECK 2)
48	82-ZM1-348-010		FLY-WHL,L W(DECK 1)
49	82-ZM3-329-210		BELT,SBU R2
50	82-ZM1-245-210		HLDR,IC
51	87-045-347-019		MOT,SHU2L 70(M1)
52	82-ZM3-221-010		PULLEY,MOT 2M
53	82-ZM1-288-019		SH,1.63-3.2-0.5 SLT
54	80-ZM6-243-019		SH,1.75-3.6-0.5 SLT
55	82-ZM3-335-210		PULLEY,COUPLER M3(DECK 1)
56	82-ZM3-337-010		BELT,SBU MOT 2
57	82-ZM3-339-010		SHAFT,COUPLER N3(DECK 1)
58	86-ZM1-206-010		BELT,MAIN L
59	82-ZM3-340-010		SH,BELT D2
A	85-ZM3-202-010		S-SCREW,TG
B	80-ZM6-207-019		V+1.6-7
C	82-ZM3-318-019		S-SCRW MOTOR M2
D	87-B10-043-010		W-P,0.99-4-0.25 SLT
E	82-ZM3-334-010		PW,2.16-6-0.4

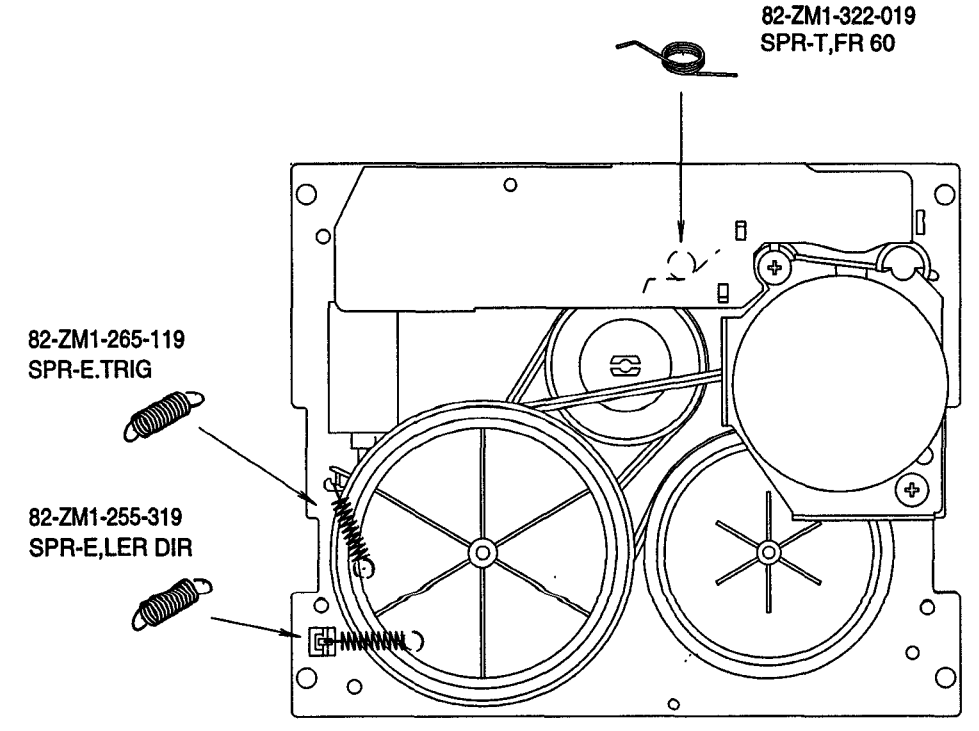
SPRING APPLICATION POSITION (U : 6ZM-3 PR1NM)





SPRING APPLICATION POSITION (LH : 2ZM-3MK2 PR4NM)

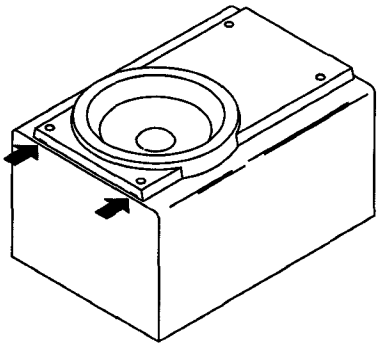




SPEAKER DISASSEMBLY INSTRUCTIONS

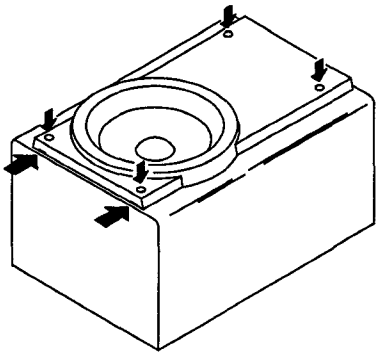
Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



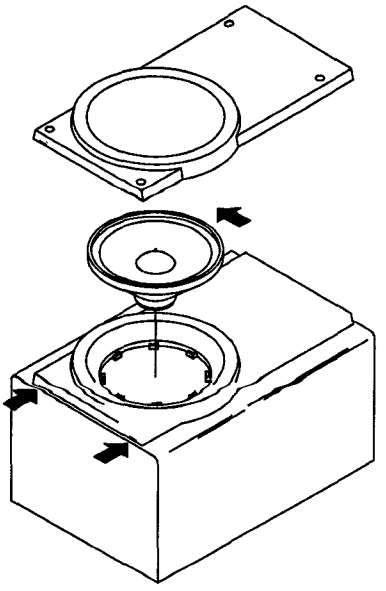
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

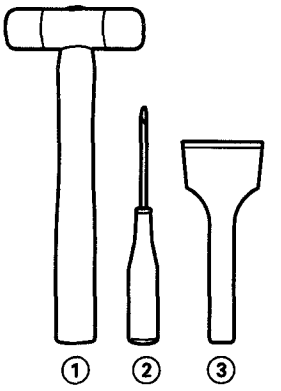


Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



Type.4



TOOLS

① Plastic head hammer
② (⊖) flat head screwdriver
③ Cut chisel

How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.

2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.

3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

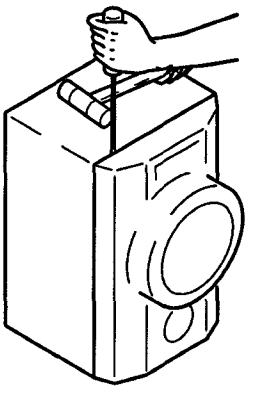


Fig-1

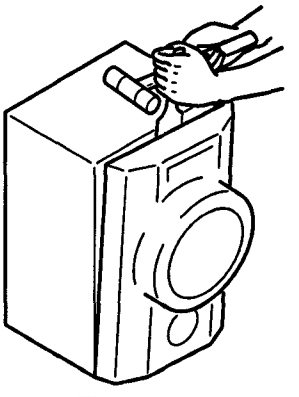


Fig-2

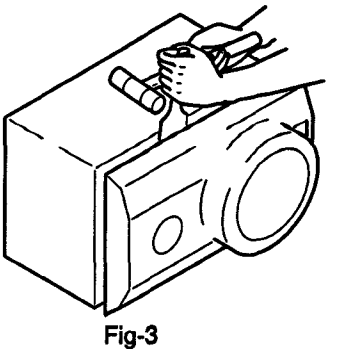


Fig-3

How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

SPEAKER PARTS LIST SX-WNA555

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	88-NS3-029-010		CORD,BUSH L
2	88-NS5-610-010		CORD,SPKR
3	88-NS5-611-010		CORD,SPKR B/L
4	8Z-NS8-002-010		PANEL,BA
5	8Z-NS8-003-010		PROTECTOR, TW
6	8Z-NSY-003-010		CORD,BUSH
7	8Z-NSY-602-010		SPKR, W 160
8	8Z-NSY-604-010		SPKR, M 100

SPEAKER PARTS LIST SX-NS552 : YLSTCC

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	87-NSH-612-010		SPKR,CERAMIC ASSY
2	87-NS7-611-010		CORD,SPKR
3	8Z-NSH-004-010		GRILLE,FRAME ASSY
4	8Z-NSH-001-010		PANEL,FR
5	8Z-NSH-002-010		PANEL,BA
6	8Z-NSH-003-010		PANEL,RING(W)
7	8Z-NSH-007-010		PROTECTOR
8	83-NS8-606-010		SPKR, T 50
9	8Z-NSJ-601-010		SPKR, W 130

ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to " REFERENCE NAME LIST ".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-NFV-903-010		IB,U(ESP)M<U>
2	8Z-NFV-902-010		IB,LH(ESP)M<LH>
3	87-006-225-010		AM LOOP ANT NC2
4	8Z-NFV-702-010		RC UNIT,RC-ZAS05
5	87-043-115-010		ANT,FEEDER FM
⚠ 6	87-099-789-010		PLUG CONVERSION IR44<LH>

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

サービス技術ニュース	
番号	連絡内容
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アイワ株式会社
AIWA CO.,LTD.
〒110-8710 東京都台東区池之端1-2-11 ☎03（3827）3111（代表）

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Printed in Singapore

aiwa

aiwa SERVICE

NSX-MA545

SERVICE MANUAL

COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM: 6ZM-3 PR1NM
- BASIC CD MECHANISM: 4ZG-1 Z3RDSHM
- TYPE: U

SIMPLE MANUAL

• Replace this Service Manual with "Revision Publishing" when it is issued.

S/M Code No. 09–98C–323–0T1

ELECTRICAL PARTS LIST-1/7

NOTE: The characters in the suffix column indicate the part usage.

REF.NO	PARTS NO.	KANRI NO.	DESCRIPTION	SUFFIX
USTM		XX		A
C 503	87-010-112-040		CAP,E 100-16	AB
C 502	87-010-186-080		CAP,CHIP 4700P	AB
C 506	87-010-320-080		CHIP CAP 68P	AB
C 504	87-010-405-040		CAP,E 10-50	AB
C 507	87-010-544-040		CAP,E 0.1-50 SME	AB
C 509	87-010-544-040		CAP,E 0.1-50 SME	AB
C 505	87-010-546-040		CAP,E 0.33-50	AB
J 501	87-A60-651-010		JACK,3.5MONO	AB
Q 504	87-A30-075-080		C-TR,2SA1235F	AB
Q 505	87-A30-076-080		C-TR,2SC3052F	AB
Q 501	87-A30-087-080		C-FET,2SK2158	AB
VR 501	87-NB7-602-010		VR,RTRY 10KAX1 1 V	AB
	8Z-NF8-661-010		PT,SUB ZNF-8(U)	A
	8Z-NF8-662-010		PT,SUB ZNF-8(E)	
	8Z-NF8-663-010		PT,SUB ZNF-8(H)	.B
C 1	87-010-388-080		CAP ELECT 1000-25V SME	AB
C 9	87-010-917-090		CAP,E 3300-50 M SMG	AB
C 8	87-010-917-090		CAP,E 3300-50 M SMG	AB
C 5	87-018-209-010		CAP 0.1	AB
C 3	87-018-209-010		CAP 0.1	AB
C 4	87-018-209-010		CAP 0.1	AB
CN 1	87-A60-851-010		CONN,9P V VH	AB
D 6	87-017-447-010		DIODE,GBU4DL	AB
D 4	87-020-465-080		DIODE,1SS133 (110MA)	AB
D 3	87-020-465-080		DIODE,1SS133 (110MA)	AB
D 2	87-020-465-080		DIODE,1SS133 (110MA)	AB
D 5	87-020-465-080		DIODE,1SS133 (110MA)	AB
D 1	87-020-465-080		DIODE,1SS133 (110MA)	AB
RY 2	87-A90-976-010		RELAY,AC12V SDT-S-112LMR	A
RY 1	87-A91-281-010		RELAY,AC DC12V OSA-SS-212DM5	.B
T 1	87-A60-317-010		TERMINAL, 1P MSC	AB
T 2	87-A60-317-010		TERMINAL, 1P MSC	AB
	88-NF8-205-010		GUIDE,FL	AB
*	8Z-NF8-201-010		GUIDE,OPE	AB
*	8Z-NF8-202-010		GUIDE,FUN	AB
C 201	87-012-156-080		C-CAP,S 220P-50 CH	AB
C 254	87-010-194-080		CAP, CHIP 0.047	AB
C 252	87-010-198-080		CAP, CHIP 0.022	AB
C 259	87-015-699-040		CAP,E 10-50 7L	AB
C 256	87-015-699-040		CAP,E 10-50 7L	AB
C 251	87-015-699-040		CAP,E 10-50 7L	AB
C 255	87-A10-586-040		CAP,E 47-35 7L SR	AB
C 260	87-010-198-080		CAP, CHIP 0.022	AB
C 301	87-010-182-080		C-CAP,S 2200P-50 B	AB
C 302	87-010-182-080		C-CAP,S 2200P-50 B	AB
C 311	87-010-194-080		CAP, CHIP 0.047	AB
C 314	87-010-194-080		CAP, CHIP 0.047	AB
C 312	87-010-405-040		CAP,E 10-50	AB
C 324	87-010-194-080		CAP, CHIP 0.047	AB
C 323	87-010-248-040		CAP,E 220-10 SME	AB
C 325	87-010-263-040		CAP,E 100-10	AB
C 322	87-015-694-040		E/CAP 0.47-50	AB
C 332	87-010-198-080		CAP, CHIP 0.022	AB
C 334	87-010-312-080		C-CAP,S 15P-50 CH	AB
C 335	87-012-140-080		CAP 470P	AB
C 333	87-012-140-080		CAP 470P	AB
C 338	87-012-155-080		C-CAP 180P-50CH	AB
C 339	87-012-156-080		C-CAP,S 220P-50 CH	AB
C 340	87-010-197-080		CAP, CHIP 0.01 DM	AB
C 351	87-010-382-040		CAP,E 22-25 SME	AB
C 401	87-010-197-080		CAP, CHIP 0.01 DM	AB
C 457	87-010-196-080		CHIP CAPACITOR,0.1-25	AB
C 455	87-010-196-080		CHIP CAPACITOR,0.1-25	AB
C 456	87-012-158-080		C-CAP,S 390P-50 CH	AB
C 601	87-010-196-080		CHIP CAPACITOR,0.1-25	AB
C 604	87-010-322-080		C-CAP,S 100P-50 CH	AB
C 603	87-010-322-080		C-CAP,S 100P-50 CH	AB
C 602	87-010-322-080		C-CAP,S 100P-50 CH	AB
C 701	87-010-196-080		CHIP CAPACITOR,0.1-25	AB
CON 102	87-099-015-010		CONN,13P 6216V	AB
CON 101	87-099-720-010		CONN,30P TYK-B(P)	AB
CON 301	87-099-013-010		CONN,11P 6216 V	A
CON 301	87-099-017-010		CONN, 15P 6216 V	.B
D 208	87-020-465-080		DIODE,1SS133 (110MA)	AB
D 311	87-A40-509-080		ZENER,MTZJ6.8C	AB
D 452	87-017-932-080		ZENER,MTJ6.2B	AB
EMI 201	87-008-372-080		FILTER, EMI BL OIRNI	AB
EMI 202	87-A50-322-080		C-COIL,S BK2125 LM252	AB
FL 401	8Z-NH8-603-010		FL,BJ674GNK	AB
IC 201	8Z-NF8-602-010		C-IC,UPD780228GF-031-3BA	AB
IC 251	87-A20-914-010		IC,SPS-442-1-F	AB
IC 451	87-A21-023-040		C-IC,BA3835F	AB
IC 601	87-A21-021-040		C-IC,BU2099FV	AB
L 331	87-A50-434-010		COIL,CLK 4.19M(TOKO)	AB
LED 311	87-A40-317-080		LED,SLR-342VCT31 RED	AB
LED 611	87-A40-619-080		LED,SLR-56PT-TE7-W GRN	AB

LED	634	87-A40-619-040	LED,SLR-56PT-T31-W GRN	AB
LED	633	87-A40-619-040	LED,SLR-56PT-T31-W GRN	AB
Q	207	87-A30-087-080	C-FET,2SK2158	AB
Q	251	87-A30-074-080	C-TR,RT1P 141C	AB
Q	301	87-A30-159-080	C-TR,KTA1298Y	AB
Q	302	87-A30-159-080	C-TR,KTA1298Y	AB
Q	303	87-A30-240-080	TR,CSA1585BC	AB
Q	311	87-026-610-080	TR,KTC3198GR	AB
Q	312	87-A30-087-080	C-FET,2SK2158	AB
Q	322	87-A30-073-080	C-TR,RT1N 141C	AB
Q	323	87-A30-087-080	C-FET,2SK2158	AB
S	434	87-A91-024-080	SW,TACT KSH0611BT	AB
SW	252	87-A90-535-010	SW,RTRY EC16B24304	AB
SW	253	87-A90-950-010	SW,RTRY EC12E12504 ENCORDER	AB
C	309	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	302	87-010-318-080	C-CAP,S 47P-50 CH	AB
C	301	87-010-318-080	C-CAP,S 47P-50 CH	AB
C	305	87-012-145-080	CAP, CHIP S 270P CH	AB
C	306	87-012-145-080	CAP, CHIP S 270P CH	AB
C	303	87-012-157-080	C-CAP,S 330P-50 CH	AB
C	304	87-012-157-080	C-CAP,S 330P-50 CH	AB
C	315	87-010-178-080	CHIP CAP 1000P	.B
C	314	87-010-178-080	CHIP CAP 1000P	.B
C	316	87-010-178-080	CHIP CAP 1000P	.B
C	313	87-010-178-080	CHIP CAP 1000P	.B
C	314	87-010-180-080	C-CER 1500P	A
C	313	87-010-180-080	C-CER 1500P	A
C	316	87-010-182-080	C-CAP,S 2200P-50 B	A
C	315	87-010-182-080	C-CAP,S 2200P-50 B	A
C	310	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	311	87-010-198-080	CAP, CHIP 0.022	AB
C	312	87-010-198-080	CAP, CHIP 0.022	AB
C	324	87-010-260-080	CAP, ELECT 47-25V	AB
C	325	87-010-370-080	CAP,E 330-6.3 SME	AB
C	327	87-010-404-080	CAP, ELECT 4.7-50V	AB
C	328	87-010-404-080	CAP, ELECT 4.7-50V	AB
C	321	87-016-492-080	C-CAP,S 0.33-16 FZ	AB
C	322	87-016-492-080	C-CAP,S 0.33-16 FZ	AB
C	336	87-010-401-080	CAP, ELECT 1-50V	AB
C	335	87-010-401-080	CAP, ELECT 1-50V	AB
C	354	87-010-175-080	CAP 560P	AB
C	358	87-010-183-080	C-CAP,S 2700P-50 B	AB
C	359	87-010-183-080	C-CAP,S 2700P-50 B	AB
C	357	87-010-197-080	CAP, CHIP 0.01 DM	AB
C	356	87-010-260-080	CAP, ELECT 47-25V	AB
C	351	87-012-140-080	CAP 470P	AB
C	352	87-012-140-080	CAP 470P	AB
C	355	87-012-349-080	C-CAP,S 1000P-50 CH	AB
C	360	87-010-183-080	C-CAP,S 2700P-50 B	AB
C	363	87-A10-772-080	CAP,M 5600P-50 J	AB
C	379	87-010-382-080	CAP, ELECT 22-25V	AB
C	373	87-016-083-080	C-CAP,S 0.15-16 RK	AB
C	374	87-016-083-080	C-CAP,S 0.15-16 RK	AB
C	380	87-010-382-080	CAP, ELECT 22-25V	AB
C	388	87-012-156-080	C-CAP,S 220P-50 CH	AB
C	391	87-010-319-080	C-CAP,S 56P-50 CH	AB
C	392	87-010-319-080	C-CAP,S 56P-50 CH	AB
C	393	87-010-319-080	C-CAP,S 56P-50 CH	AB
C	394	87-010-319-080	C-CAP,S 56P-50 CH	AB
CN	301	87-099-827-010	CONN,3P S2M-3W	AB
CN	351	87-099-832-010	CONN,8P S2M-8W	AB
D	352	87-A40-269-080	C-DIODE,MC2836	AB
IC	303	87-A20-783-040	C-IC,BA7762AFS	AB
L	301	87-A50-049-010	COIL,TRAP 85K(COI)	AB
L	302	87-A50-049-010	COIL,TRAP 85K(COI)	AB
L	351	87-007-342-010	COIL,OSC 85K BIAS	AB
Q	359	87-026-610-080	TR,KTC3198GR	AB
Q	358	87-026-610-080	TR,KTC3198GR	AB
Q	357	87-026-610-080	TR,KTC3198GR	AB
Q	354	87-A30-087-080	C-FET,2SK2158	AB
Q	351	87-A30-087-080	C-FET,2SK2158	AB
Q	353	87-A30-087-080	C-FET,2SK2158	AB
Q	355	87-A30-105-080	C-TR,RT1P 441C	AB
SFR	351	87-A90-433-080	SFR,50K H NVZ6TLTA	AB
SFR	352	87-A90-433-080	SFR,50K H NVZ6TLTA	AB
C	457	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	458	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	451	87-010-401-080	CAP, ELECT 1-50V	AB
C	452	87-010-401-080	CAP, ELECT 1-50V	AB
C	459	87-A11-004-080	CAP,M 0.022-50 J DE	A
C	467	87-010-805-080	CAP, S 1-16	AB
C	466	87-A11-004-080	CAP,M 0.022-50 J DE	A
C	460	87-A11-004-080	CAP,M 0.022-50 J DE	A
C	465	87-A11-004-080	CAP,M 0.022-50 J DE	A
IC	451	87-A21-031-040	C-IC,BU4551BF	A
C	9	87-010-917-090	CAP,E 3300-50 M SMG	AB
C	5	87-012-368-080	C-CAP,S 0.1-50 F	AB
C	3	87-012-368-080	C-CAP,S 0.1-50 F	AB
C	6	87-012-368-080	C-CAP,S 0.1-50 F	AB
C	4	87-012-368-080	C-CAP,S 0.1-50 F	AB
C	1	87-012-369-080	C-CAP,S 0.047-50F	AB
C	2	87-012-369-080	C-CAP,S 0.047-50F	AB

ELECTRICAL PARTS LIST-3/7

C	10	87-010-917-090	CAP,E 3300-50 M SMG	AB
C	23	87-010-247-080	CAP, ELECT 100-50V	AB
C	24	87-010-247-080	CAP, ELECT 100-50V	AB
C	29	87-010-247-080	CAP, ELECT 100-50V	AB
C	28	87-010-263-080	CAP, ELECT 100-10V	AB
C	22	87-010-385-080	CAP, ELECT 220-25V	AB
C	21	87-010-385-080	CAP, ELECT 220-25V	AB
C	25	87-010-430-080	CAP, ELECT 100-63	AB
C	27	87-012-140-080	CAP 470P	AB
C	30	87-010-112-080	CAP, ELECT 100-16V	AB
C	31	87-010-235-080	CAP,E 470-16 SME	AB
C	34	87-010-405-080	CAP, ELECT 10-50V	AB
C	33	87-010-405-080	CAP, ELECT 10-50V	AB
C	61	87-010-260-080	CAP, ELECT 47-25V	AB
C	62	87-010-403-080	CAP, ELECT 3.3-50V	AB
C	92	87-010-248-080	CAP, ELECT 220-10V	A
C	93	87-010-380-080	CAP, ELECT 47-16V	AB
C	91	87-010-401-080	CAP, ELECT 1-50V	AB
CN	1	87-A60-739-010	CONN,13P JL-BT	A
CN	91	87-A60-109-010	CONN,2P V S2M-2W	AB
CNA	1	8Z-NF8-669-010	CONN ASSY,9P VH	AB
D	1	87-017-654-060	DIODE,GBU6J	AB
D	8	87-020-465-080	DIODE,1SS133 (110MA)	AB
D	9	87-020-465-080	DIODE,1SS133 (110MA)	AB
D	5	87-070-274-080	DIODE,1N4003 SEM	AB
D	6	87-070-274-080	DIODE,1N4003 SEM	AB
D	3	87-070-274-080	DIODE,1N4003 SEM	AB
D	4	87-070-274-080	DIODE,1N4003 SEM	AB
D	7	87-A40-383-080	ZENER,MTZJ30A	AB
D	10	87-A40-345-080	ZENER,MTZJ10C	AB
D	64	87-070-274-080	DIODE,1N4003 SEM	AB
D	62	87-A40-269-080	C-DIODE,MC2836	AB
D	61	87-A40-270-080	C-DIODE,MC2838	AB
D	91	87-020-465-080	DIODE,1SS133 (110MA)	AB
D	92	87-020-465-080	DIODE,1SS133 (110MA)	AB
JW	16	87-008-372-080	FILTER, EMI BL OIRNI	.B
Q	1	87-026-609-080	TR,KTA1266GR	AB
Q	2	87-026-609-080	TR,KTA1266GR	AB
Q	5	87-026-610-080	TR,KTC3198GR	AB
Q	7	87-A30-075-080	C-TR,2SA1235F	AB
Q	9	87-A30-196-080	TR,2SC4115SRS	AB
Q	3	89-213-702-010	TR,2SB1370 (1.8W)	.B
Q	61	87-A30-074-080	C-TR,RT1P 141C	.B
Q	66	87-A30-075-080	C-TR,2SA1235F	AB
Q	64	87-A30-075-080	C-TR,2SA1235F	AB
Q	92	87-026-609-080	TR,KTA1266GR	AB
Q	91	87-A30-076-080	C-TR,2SC3052F	AB
R	20	87-A00-261-080	RES,M/F 0.56-1W J	A
WH	1	87-A90-510-010	HLDR,WIRE 2.5-9P	AB
		87-067-703-010	TAPPING SCREW, BVT2+3-10	.B
C	101	87-010-178-080	CHIP CAP 1000P	AB
C	102	87-010-178-080	CHIP CAP 1000P	AB
C	102	87-010-182-080	C-CAP,S 2200P-50 B	.B
C	101	87-010-182-080	C-CAP,S 2200P-50 B	.B
C	105	87-010-186-080	CAP,CHIP 4700P	.B
C	106	87-010-186-080	CAP,CHIP 4700P	.B
C	109	87-010-322-080	C-CAP,S 100P-50 CH	.B
C	108	87-010-404-080	CAP, ELECT 4.7-50V	.B
C	107	87-010-404-080	CAP, ELECT 4.7-50V	.B
C	112	87-010-260-080	CAP, ELECT 47-25V	.B
C	111	87-010-260-080	CAP, ELECT 47-25V	.B
C	110	87-010-322-080	C-CAP,S 100P-50 CH	.B
C	118	87-016-247-080	C-CAP,0.1-50 F	.B
C	117	87-016-247-080	C-CAP,0.1-50 F	.B
C	113	87-A10-812-080	C-CAP,S 220P-200 J CH	.B
C	114	87-A10-812-080	C-CAP,S 220P-200 J CH	.B
C	123	87-010-176-080	C-CAP,S 680P-50 SL	AB
C	124	87-010-176-080	C-CAP,S 680P-50 SL	AB
C	129	87-010-191-080	C-CAP,S 0.015-50 F	AB
C	130	87-010-191-080	C-CAP,S 0.015-50 F	AB
C	133	87-010-197-080	CAP, CHIP 0.01 DM	AB
C	136	87-012-368-080	C-CAP,S 0.1-50 F	AB
D	109	87-020-465-080	DIODE,1SS133 (110MA)	.B
D	108	87-A40-488-080	DIODE,1SS244	.B
D	107	87-A40-488-080	DIODE,1SS244	.B
D	110	87-020-465-080	DIODE,1SS133 (110MA)	.B
D	111	87-A40-270-080	C-DIODE,MC2838	.B
J	203	87-A60-238-010	TERMINAL,SP 4P (MSC)	AB
J	201	87-A60-483-010	JACK,DIA6.3 BLK ST W/S KM	AB
L	101	87-003-383-010	COIL,1UH-S	AB
L	102	87-003-383-010	COIL,1UH-S	AB
Q	106	87-A30-075-080	C-TR,2SA1235F	AB
Q	104	87-A30-075-080	C-TR,2SA1235F	AB
Q	103	87-A30-075-080	C-TR,2SA1235F	AB
Q	105	87-A30-075-080	C-TR,2SA1235F	AB
Q	107	87-A30-076-080	C-TR,2SC3052F	.B
Q	108	87-A30-076-080	C-TR,2SC3052F	.B
Q	109	87-A30-076-080	C-TR,2SC3052F	.B
Q	101	87-A30-257-080	C-TR,2SD1306E	AB
Q	102	87-A30-257-080	C-TR,2SD1306E	AB
Q	110	87-A30-076-080	C-TR,2SC3052F	.B
Q	115	87-A30-097-010	TR,FN 1016	.B

Q	116	87-A30-097-010	TR,FN 1016	.B
Q	117	87-A30-098-010	TR,FP 1016	.B
Q	118	87-A30-098-010	TR,FP 1016	.B
Q	111	87-A30-190-080	TR,CC5551	.B
Q	112	87-A30-190-080	TR,CC5551	.B
Q	126	87-A30-075-080	C-TR,2SA1235F	AB
Q	129	87-A30-076-080	C-TR,2SC3052F	.B
Q	128	87-A30-076-080	C-TR,2SC3052F	.B
Q	124	87-A30-106-070	C-TR,CMBT5551	.B
Q	123	87-A30-106-070	C-TR,CMBT5551	.B
Q	130	87-A30-076-080	C-TR,2SC3052F	.B
Q	131	87-A30-076-080	C-TR,2SC3052F	.B
R	129	87-A00-257-080	RES,M/F 0.15-1W J	.B
R	130	87-A00-257-080	RES,M/F 0.15-1W J	.B
R	131	87-A00-257-080	RES,M/F 0.15-1W J	.B
R	132	87-A00-257-080	RES,M/F 0.15-1W J	.B
R	146	87-A00-439-050	RES,180-1/2W J RP	A
R	145	87-A00-439-050	RES,180-1/2W J RP	A
R	144	87-A00-439-050	RES,180-1/2W J RP	A
R	143	87-A00-439-050	RES,180-1/2W J RP	A
R	144	87-A00-440-050	RES,220-1/2W J RP	.B
R	146	87-A00-440-050	RES,220-1/2W J RP	.B
R	143	87-A00-440-050	RES,220-1/2W J RP	.B
R	145	87-A00-440-050	RES,220-1/2W J RP	.B
R	165	87-A00-257-080	RES,M/F 0.15-1W J	.B
R	166	87-A00-257-080	RES,M/F 0.15-1W J	.B
TH	101	87-A91-042-080	C-THMS,100K 55001	.B
TH	102	87-A91-042-080	C-THMS,100K 55001	.B
C	203	87-010-177-080	C-CAP,S 820P-50 SL	A
C	204	87-010-177-080	C-CAP,S 820P-50 SL	A
C	209	87-010-404-080	CAP, ELECT 4.7-50V	.B
C	212	87-010-182-080	C-CAP,S 2200P-50 B	
C	211	87-010-182-080	C-CAP,S 2200P-50 B	
C	217	87-010-260-080	CAP, ELECT 47-25V	.B
C	218	87-010-260-080	CAP, ELECT 47-25V	.B
C	210	87-010-404-080	CAP, ELECT 4.7-50V	.B
C	213	87-010-408-080	CAP, ELECT 47-50V	.B
C	214	87-010-408-080	CAP, ELECT 47-50V	.B
C	219	87-A10-946-080	C-CAP,S 220P-100 J CH	.B
C	228	87-010-186-080	CAP,CHIP 4700P	.B
C	227	87-010-186-080	CAP,CHIP 4700P	.B
C	226	87-010-544-080	CAP, ELECT 0.1-50V	.B
C	225	87-010-544-080	CAP, ELECT 0.1-50V	.B
C	220	87-A10-946-080	C-CAP,S 220P-100 J CH	.B
C	234	87-010-190-080	S CHIP F 0.01	AB
C	232	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	238	87-010-322-080	C-CAP,S 100P-50 CH	AB
C	230	87-010-993-080	C-CAP,S 0.056-25 B	AB
C	252	87-010-183-080	C-CAP,S 2700P-50 B	AB
C	251	87-010-402-080	CAP, ELECT 2.2-50V	AB
C	899	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	898	87-010-993-080	C-CAP,S 0.056-25 B	AB
C	900	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
CN	201	87-A60-739-010	CONN,13P JL-BT	A
D	208	87-A40-488-080	DIODE,1SS244	.B
D	207	87-A40-488-080	DIODE,1SS244	.B
D	213	87-020-465-080	DIODE,1SS133 (110MA)	.B
D	211	87-A40-270-080	C-DIODE,MC2838	.B
J	205	87-A60-751-010	JACK,PIN 2P R/W BLUE	A
J	204	87-A60-752-010	JACK,PIN 4P R/W,O/B	.B
J	206	87-A60-872-010	JACK,PIN 3P W/R/O	A
L	202	87-003-383-010	COIL,1UH-S	AB
L	801	87-003-383-010	COIL,1UH-S	AB
Q	204	87-A30-075-080	C-TR,2SA1235F	.B
Q	206	87-A30-075-080	C-TR,2SA1235F	.B
Q	205	87-A30-075-080	C-TR,2SA1235F	.B
Q	203	87-A30-075-080	C-TR,2SA1235F	.B
Q	209	87-A30-076-080	C-TR,2SC3052F	.B
Q	208	87-A30-076-080	C-TR,2SC3052F	.B
Q	207	87-A30-076-080	C-TR,2SC3052F	.B
Q	210	87-A30-076-080	C-TR,2SC3052F	.B
Q	219	87-A30-119-040	C-TR,2SC3906K R	.B
Q	212	87-A30-190-080	TR,CC5551	.B
Q	211	87-A30-190-080	TR,CC5551	.B
Q	218	87-A30-255-010	TR,2SB1342	.B
Q	217	87-A30-255-010	TR,2SB1342	.B
Q	216	87-A30-256-010	TR,2SD1933	.B
Q	215	87-A30-256-010	TR,2SD1933	.B
Q	225	87-A30-076-080	C-TR,2SC3052F	.B
Q	227	87-A30-076-080	C-TR,2SC3052F	.B
Q	226	87-A30-076-080	C-TR,2SC3052F	.B
Q	224	87-A30-076-080	C-TR,2SC3052F	.B
Q	223	87-A30-105-080	C-TR,RT1P 441C	AB
Q	220	87-A30-119-040	C-TR,2SC3906K R	.B
Q	230	87-A30-257-080	C-TR,2SD1306E	AB
R	233	87-A00-258-080	RES,M/F 0.22-1W J	.B
R	231	87-A00-258-080	RES,M/F 0.22-1W J	.B
R	232	87-A00-258-080	RES,M/F 0.22-1W J	.B
R	234	87-A00-258-080	RES,M/F 0.22-1W J	.B
R	266	87-A00-258-080	RES,M/F 0.22-1W J	.B
R	265	87-A00-258-080	RES,M/F 0.22-1W J	.B
C	801	87-010-176-080	C-CAP,S 680P-50 SL	AB

C	802	87-010-176-080	C-CAP,S 680P-50 SL	AB
C	808	87-010-401-080	CAP, ELECT 1-50V	AB
C	807	87-010-401-080	CAP, ELECT 1-50V	AB
C	806	87-010-958-080	CHIP -CAP,S 0.01-25BJ	AB
C	803	87-010-958-080	CHIP -CAP,S 0.01-25BJ	AB
C	804	87-010-958-080	CHIP -CAP,S 0.01-25BJ	AB
C	805	87-010-958-080	CHIP -CAP,S 0.01-25BJ	AB
C	810	87-010-112-080	CAP, ELECT 100-16V	AB
C	817	87-010-221-080	CAP, ELECT 470-10V	AB
C	813	87-010-400-080	CAP, ELECT 0.47-50V	AB
C	812	87-010-493-080	CAP,E 0.47-50 GAS	AB
C	811	87-010-493-080	CAP,E 0.47-50 GAS	AB
C	814	87-010-494-080	CAP ELECT GAS 1/50	AB
C	819	87-A10-800-080	C-CAP,S 6800P-16 J B CM	AB
C	818	87-A10-891-080	CAP,E 4.7-25 SME(K)	AB
C	824	87-010-374-080	CAP, ELECT 47-10V	AB
C	820	87-010-374-080	CAP, ELECT 47-10V	AB
C	829	87-010-545-080	CAP, ELECT 0.22-50V	AB
C	822	87-A10-804-080	C-CAP,S 0.1-25 J B	AB
C	839	87-010-805-080	CAP, S 1-16	AB
C	831	87-010-971-080	C-CAP,S 4700P-50 B J	AB
C	837	87-010-971-080	C-CAP,S 4700P-50 B J	AB
C	830	87-012-142-080	CAP, S 0.33-16	AB
C	838	87-012-349-080	C-CAP,S 1000P-50 CH	AB
C	832	87-012-349-080	C-CAP,S 1000P-50 CH	AB
C	835	87-A11-182-080	C-CAP,S 0.27-16 J B	AB
C	834	87-A11-182-080	C-CAP,S 0.27-16 J B	AB
C	836	87-A11-183-080	C-CAP,S 0.12-16 J B	AB
C	833	87-A11-183-080	C-CAP,S 0.12-16 J B	AB
C	840	87-010-401-080	CAP, ELECT 1-50V	AB
C	846	87-010-404-080	CAP, ELECT 4.7-50V	AB
C	847	87-010-404-080	CAP, ELECT 4.7-50V	AB
C	848	87-012-393-080	C-CAP,S 0.22-16 R K	AB
C	849	87-012-393-080	C-CAP,S 0.22-16 R K	AB
C	844	87-012-393-080	C-CAP,S 0.22-16 R K	AB
C	845	87-012-393-080	C-CAP,S 0.22-16 R K	AB
C	843	87-A10-229-080	C-CAP,S 0.68-10 K W5	AB
C	841	87-A10-799-080	C-CAP,S 5600P-16 J B CM	AB
C	842	87-A10-802-080	C-CAP,S 0.047-16 J B CM	AB
C	850	87-016-081-080	C-CAP,S 0.1-16 RK	AB
C	853	87-016-081-080	C-CAP,S 0.1-16 RK	AB
C	857	87-016-081-080	C-CAP,S 0.1-16 RK	AB
C	854	87-016-081-080	C-CAP,S 0.1-16 RK	AB
C	856	87-A10-801-080	C-CAP,S 0.022-16 J B CM	AB
C	855	87-A10-801-080	C-CAP,S 0.022-16 J B CM	AB
C	851	87-A10-802-080	C-CAP,S 0.047-16 J B CM	AB
C	852	87-A10-802-080	C-CAP,S 0.047-16 J B CM	AB
C	899	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	898	87-010-993-080	C-CAP,S 0.056-25 B	.B
D	802	87-070-136-080	ZENER,MTZJ5.1B	AB
D	801	87-A40-442-080	ZENER,MTZJ9.1A	AB
IC	801	87-A20-853-010	C-IC,M62463FP	AB
L	801	87-003-383-010	COIL,1UH-S	.B
R	807	87-022-214-080	C-RES S100K-1/10WF	AB
C	601	87-010-180-080	C-CER 1500P	AB
C	602	87-010-180-080	C-CER 1500P	AB
C	606	87-010-318-080	C-CAP,S 47P-50 CH	AB
C	605	87-010-318-080	C-CAP,S 47P-50 CH	AB
C	619	87-010-185-080	C-CAP,S 3900P-50 B	AB
C	613	87-016-081-080	C-CAP,S 0.1-16 RK	AB
C	614	87-016-081-080	C-CAP,S 0.1-16 RK	AB
C	617	87-A11-008-080	CAP,M 0.056-50 J DE	AB
C	618	87-A11-008-080	CAP,M 0.056-50 J DE	AB
C	616	87-A11-011-080	CAP,M 0.12-50 J DE	AB
C	615	87-A11-011-080	CAP,M 0.12-50 J DE	AB
C	620	87-010-185-080	C-CAP,S 3900P-50 B	AB
C	627	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	622	87-010-401-080	CAP, ELECT 1-50V	AB
C	621	87-010-401-080	CAP, ELECT 1-50V	AB
C	629	87-010-405-080	CAP, ELECT 10-50V	AB
C	624	87-A10-773-080	CAP,M 0.10-50 J	AB
C	623	87-A10-773-080	CAP,M 0.10-50 J	AB
C	637	87-010-183-080	C-CAP,S 2700P-50 B	AB
C	636	87-010-194-080	CAP, CHIP 0.047	AB
C	635	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	634	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	630	87-010-213-080	C-CAP,S 0.015-50 B	AB
C	633	87-010-263-080	CAP, ELECT 100-10V	AB
C	632	87-010-263-080	CAP, ELECT 100-10V	AB
C	638	87-010-314-080	C-CAP,S 22P-50V	AB
C	639	87-010-314-080	C-CAP,S 22P-50V	AB
C	631	87-010-992-080	C-CAP,S 0.047-25 B	AB
C	641	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
CN	604	87-099-570-010	CONN,13P TUC-P13P-B1	AB
CN	601	87-099-719-010	CONN,30P TYK-B(X)	AB
CN	602	87-A60-131-010	CONN,6P V FE	AB
CN	605	87-A60-189-010	CONN,16P V TUC-P16P-B1	
D	601	87-A40-002-080	ZENER,MTZJ5.1C	AB
D	602	87-A40-438-080	ZENER,MTZJ4.7A	AB
IC	601	87-A21-011-040	C-IC,M62445FP-600D	AB
J	602	87-A60-398-010	JACK,PIN 2P R/W HSP-242V24	AB
JW	604	87-020-465-080	DIODE,1SS133 (110MA)	A

Q	601	87-026-609-080	TR,KTA1266GR	AB
C	736	87-010-193-080	CHIP CAPACITOR,0.033	AB
C	732	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	733	87-010-196-080	CHIP CAPACITOR,0.1-25	AB
C	731	87-010-560-080	CAP,E 10-50 GAS	AB
C	734	87-012-157-080	C-CAP,S 330P-50 CH	AB
C	834	87-A11-182-080	C-CAP,S 0.27-16 J B	A
C	835	87-A11-182-080	C-CAP,S 0.27-16 J B	A
C	836	87-A11-183-080	C-CAP,S 0.12-16 J B	A
C	833	87-A11-183-080	C-CAP,S 0.12-16 J B	A
Q	732	87-A30-075-080	C-TR,2SA1235F	AB
Q	731	87-A30-076-080	C-TR,2SC3052F	AB
C	900	87-010-196-080	CHIP CAPACITOR,0.1-25	.B
C	102	87-010-405-080	CAP, ELECT 10-50V	A
C	101	87-010-405-080	CAP, ELECT 10-50V	A
C	199	87-010-197-080	CAP, CHIP 0.01 DM	A
C	204	87-010-405-080	CAP, ELECT 10-50V	A
C	203	87-010-405-080	CAP, ELECT 10-50V	A
C	208	87-010-408-080	CAP, ELECT 47-50V	A
C	207	87-010-408-080	CAP, ELECT 47-50V	A
C	212	87-010-260-080	CAP, ELECT 47-25V	A
C	211	87-010-260-080	CAP, ELECT 47-25V	A
C	219	87-016-247-080	C-CAP,0.1-50 F	A
C	214	87-A10-812-080	C-CAP,S 220P-200 J CH	A
C	213	87-A10-812-080	C-CAP,S 220P-200 J CH	A
C	221	87-010-178-080	CHIP CAP 1000P	A
C	222	87-010-178-080	CHIP CAP 1000P	A
C	220	87-016-247-080	C-CAP,0.1-50 F	A
C	309	87-010-322-080	C-CAP,S 100P-50 CH	A
C	308	87-010-403-080	CAP, ELECT 3.3-50V	A
C	307	87-010-403-080	CAP, ELECT 3.3-50V	A
C	303	87-010-404-080	CAP, ELECT 4.7-50V	A
C	304	87-010-404-080	CAP, ELECT 4.7-50V	A
C	313	87-010-260-080	CAP, ELECT 47-25V	A
C	314	87-010-260-080	CAP, ELECT 47-25V	A
C	310	87-010-322-080	C-CAP,S 100P-50 CH	A
C	319	87-012-368-080	C-CAP,S 0.1-50 F	A
C	311	87-A10-946-080	C-CAP,S 220P-100 J CH	A
C	312	87-A10-946-080	C-CAP,S 220P-100 J CH	A
C	322	87-010-186-080	CAP,CHIP 4700P	A
C	321	87-010-186-080	CAP,CHIP 4700P	A
C	320	87-012-368-080	C-CAP,S 0.1-50 F	A
C	407	87-010-186-080	CAP,CHIP 4700P	A
C	404	87-010-260-080	CAP, ELECT 47-25V	A
C	401	87-010-322-080	C-CAP,S 100P-50 CH	A
C	403	87-010-403-080	CAP, ELECT 3.3-50V	A
C	400	87-010-404-080	CAP, ELECT 4.7-50V	A
C	408	87-010-544-080	CAP, ELECT 0.1-50V	A
C	405	87-A10-946-080	C-CAP,S 220P-100 J CH	A
C	501	87-010-183-080	C-CAP,S 2700P-50 B	A
C	509	87-010-186-080	CAP,CHIP 4700P	A
C	506	87-010-260-080	CAP, ELECT 47-25V	A
C	503	87-010-322-080	C-CAP,S 100P-50 CH	A
C	505	87-010-403-080	CAP, ELECT 3.3-50V	A
C	502	87-010-404-080	CAP, ELECT 4.7-50V	A
C	507	87-A10-946-080	C-CAP,S 220P-100 J CH	A
C	510	87-010-544-080	CAP, ELECT 0.1-50V	A
C	603	87-010-190-080	S CHIP F 0.01	A
C	601	87-010-993-080	C-CAP,S 0.056-25 B	A
C	602	87-012-368-080	C-CAP,S 0.1-50 F	A
CN	101	87-A60-727-010	CONN,13P JL-R	A
CN	102	87-A60-727-010	CONN,13P JL-R	A
CN	501	87-099-043-010	CONN 2P EH	A
CN	502	87-099-043-010	CONN 2P EH	A
D	197	87-A40-270-080	C-DIODE,MC2838	A
D	208	87-A40-488-080	DIODE,1SS244	A
D	207	87-A40-488-080	DIODE,1SS244	A
D	212	87-A40-270-080	C-DIODE,MC2838	A
D	309	87-A40-488-080	DIODE,1SS244	A
D	312	87-A40-270-080	C-DIODE,MC2838	A
D	310	87-A40-488-080	DIODE,1SS244	A
D	404	87-A40-488-080	DIODE,1SS244	A
D	412	87-A40-270-080	C-DIODE,MC2838	A
D	504	87-A40-488-080	DIODE,1SS244	A
JW	104	87-020-465-080	DIODE,1SS133 (110MA)	A
JW	103	87-020-465-080	DIODE,1SS133 (110MA)	A
L	601	87-003-383-010	COIL,1UH-S	A
Q	102	89-213-702-010	TR,2SB1370 (1.8W)	A
Q	101	89-213-702-010	TR,2SB1370 (1.8W)	A
Q	209	87-A30-190-080	TR,CC5551	A
Q	210	87-A30-190-080	TR,CC5551	A
Q	216	87-A30-214-010	TR,2SB1344	A
Q	215	87-A30-214-010	TR,2SB1344	A
Q	217	87-A30-215-010	TR,2SD2025	A
Q	218	87-A30-215-010	TR,2SD2025	A
Q	222	87-A30-106-070	C-TR,CMBT5551	A
Q	221	87-A30-106-070	C-TR,CMBT5551	A
Q	317	87-A30-106-070	C-TR,CMBT5551	A
Q	318	87-A30-106-070	C-TR,CMBT5551	A
Q	311	87-A30-190-080	TR,CC5551	A
Q	312	87-A30-190-080	TR,CC5551	A
Q	313	87-A30-255-010	TR,2SB1342	A

ELECTRICAL PARTS LIST-7/7

Q	314	87-A30-255-010	TR,2SB1342	A.....
Q	316	87-A30-256-010	TR,2SD1933	A.....
Q	315	87-A30-256-010	TR,2SD1933	A.....
Q	403	87-A30-075-080	C-TR,2SA1235F	A.....
Q	407	87-A30-190-080	TR,CC5551	A.....
Q	409	87-A30-255-010	TR,2SB1342	A.....
Q	408	87-A30-256-010	TR,2SD1933	A.....
Q	410	87-A30-119-040	C-TR,2SC3906K R	A.....
Q	502	87-A30-075-080	C-TR,2SA1235F	A.....
Q	504	87-A30-075-080	C-TR,2SA1235F	A.....
Q	506	87-A30-076-080	C-TR,2SC3052F	A.....
Q	503	87-A30-076-080	C-TR,2SC3052F	A.....
Q	505	87-A30-076-080	C-TR,2SC3052F	A.....
Q	507	87-A30-076-080	C-TR,2SC3052F	A.....
Q	508	87-A30-190-080	TR,CC5551	A.....
Q	509	87-A30-256-010	TR,2SD1933	A.....
Q	501	87-A30-257-080	C-TR,2SD1306E	A.....
Q	511	87-A30-119-040	C-TR,2SC3906K R	A.....
Q	510	87-A30-255-010	TR,2SB1342	A.....
R	226	87-A00-257-080	RES,M/F 0.15-1W J	A.....
R	227	87-A00-257-080	RES,M/F 0.15-1W J	A.....
R	228	87-A00-257-080	RES,M/F 0.15-1W J	A.....
R	225	87-A00-257-080	RES,M/F 0.15-1W J	A.....
R	239	87-A00-257-080	RES,M/F 0.15-1W J	A.....
R	242	87-A00-257-080	RES,M/F 0.15-1W J	A.....
R	520	87-A00-258-080	RES,M/F 0.22-1W J	A.....
R	521	87-A00-258-080	RES,M/F 0.22-1W J	A.....

MECHANICAL PARTS LIST-1/1

NOTE: The characters in the suffix column indicate the part usage.

REF.NO	PARTS NO.	KANRI NO.	DESCRIPTION	SUFFIX
USTM		XX		A
	82-NE6-067-010		BADGE,AIWA 30N	AB
	86-NFZ-001-010		WINDOW,TOP	AB
	8Z-NB8-011-110		PANEL,LEFT V-2	AB
	8Z-NF8-003-010		BOX,CASS 1U	A
	8Z-NF8-004-010		BOX,CASS 2U	A
	8Z-NF8-021-010		WINDOW,CASS 1	AB
	8Z-NF8-022-010		WINDOW,CASS 2	AB
	8Z-NF8-024-010		WINDOW,CD	AB
	8Z-NF8-025-010		PANEL,TRAY U	AB
	8Z-NF8-037-010		BOX,CASS 1H	.B
	8Z-NF8-038-010		BOX,CASS 2H	.B
	8Z-NF9-042-010		PANEL,TOP V-2	AB
	8Z-NF9-043-010		PANEL,RIGHT S V-2	AB
	8Z-NFV-003-010		WINDOW,DISP U	A
	8Z-NFV-004-010		WINDOW,DISP H	.B
	8Z-NFV-006-010		CABI,FR U	A
	8Z-NFV-013-010		CABI,FR LH	.B
	8Z-NFV-021-010		CABI,REAR USTNM	A
	8Z-NFV-022-010		CABI,REAR KSTE	
	8Z-NFV-023-010		CABI,REAR EZSTE	
	8Z-NFV-026-010		CABI,REAR LHSTM	.B
	8Z-NF8-005-010		KEY,POWER	AB
	8Z-NF8-006-010		KEY,CD	AB
	8Z-NF8-007-010		REFLECTOR,ECO	AB
	8Z-NF8-008-010		KEY,TIMER	AB
	8Z-NF8-010-010		KEY,ASSY FUN	AB
	8Z-NF8-013-010		KEY,ASSY PLAY	.B
	8Z-NF8-016-010		KEY,ASSY PAUSE	AB
	8Z-NF8-026-010		KNOB,RTRY JOG	AB
	8Z-NF8-027-010		KNOB,RTRY VOL	AB
	8Z-NF8-028-010		KNOB,RTRY MIC	AB
	8Z-NF8-029-010		REFLECTOR,JOG	AB
	8Z-NF8-030-010		KEY,ASSY PLAY U	A
	8Z-NF8-050-010		KEY,KARAOKE	AB
	8Z-NFV-001-010		KEY,PRO	.B
	8Z-NFV-010-010		KEY,PRO U	A
	81-532-080-010		LABEL, CASS. COMPT	AB
	87-NF6-616-010		CONN ASSY,8P RPB	.B
	84-ZG1-245-210		CAP,OPTICAL	AB
	82-NF5-218-010		SPR-T,EJECT 1 (SIN)	AB
	82-NF5-219-010		SPR-T,EJECT 2 (SIN)	AB
	82-NF5-229-010		PLATE,LOCK	AB
	86-NF9-224-010		SPR-C,LOCK	AB
	87-NF4-216-010		HLDR,LOCK 1	AB
	87-NF4-217-010		HLDR,LOCK 2	AB
	87-NF4-221-010		HLDR,CABLE	AB
	87-NF8-220-010		DMPR,150	AB
	88-NF5-208-010		HLDR,PWB-M N	AB
	8Z-NB8-240-010		COVER, PL	AB
	8Z-NF8-205-010		HLDR,HT-SINK	.B
	8Z-NF9-204-010		PLATE,MIC	AB
	8Z-NFV-203-010		HLDR,HT F	A
	8Z-NFV-204-010		HLDR,HT R	A
	87-067-581-010		TAPPING SCREW, BVT2+3-15	.B
	87-067-688-010		BVTT+3-6	AB
	87-067-703-010		TAPPING SCREW, BVT2+3-10	AB
	87-067-758-010		BVT2+3-12 W/O SLOT	.B
	87-067-822-010		BVT2+3-20 W/O SLOT	A
	87-078-191-010		S-SCREW,IT+4-10	AB
	87-721-096-410		QT2+3-10 GLD	AB
	87-721-097-410		QT2+3-12 GLD	AB
	87-B10-091-010		UTT2+3-10 W/O BLK	AB
	87-NF4-224-010		S-SCREW,IT3B+3-8 CU	AB
	87-050-034-010		AC CORD ASSY,E	
	87-050-079-010		AC-CORD ASSY,E	.B
	87-085-185-010		BUSHING, AC CORD (E)	.B
	87-085-189-010		BUSHING, CORD (U)	A
	87-099-811-010		PLUG,ADPTR CONV(K)	
	87-A80-110-010		AC CORD ASSY,U SPT-2W	A
	87-A90-796-010		FAN,F614R-12MC-15-300MM	AB
	88-906-251-110		FF-CABLE,6P 1.25	AB
	88-911-101-110		FF-CABLE,11P 1.25	A
	88-913-301-110		FF-CABLE,13P-1.25	AB
	88-915-101-110		FF-CABLE, 15P 1.25 100MM	.B
	8Z-NFV-604-010		PT,ZNF-28 U	A
	8Z-NFV-606-010		PT,ZNF-28 EZ	
	8Z-NFV-607-010		PT,ZNF-28 LH	.B
C 705	87-012-349-080		C-CAP,S 1000P-50 CH	AB
	8Z-NF8-661-010		PT,SUB ZNF-8(U)	A
	8Z-NF8-662-010		PT,SUB ZNF-8(E)	
	8Z-NF8-663-010		PT,SUB ZNF-8(H)	.B
	88-NF8-205-010		GUIDE,FL	AB
WH 1	87-A90-510-010		HLDR,WIRE 2.5-9P	AB
	87-067-703-010		TAPPING SCREW, BVT2+3-10	.B

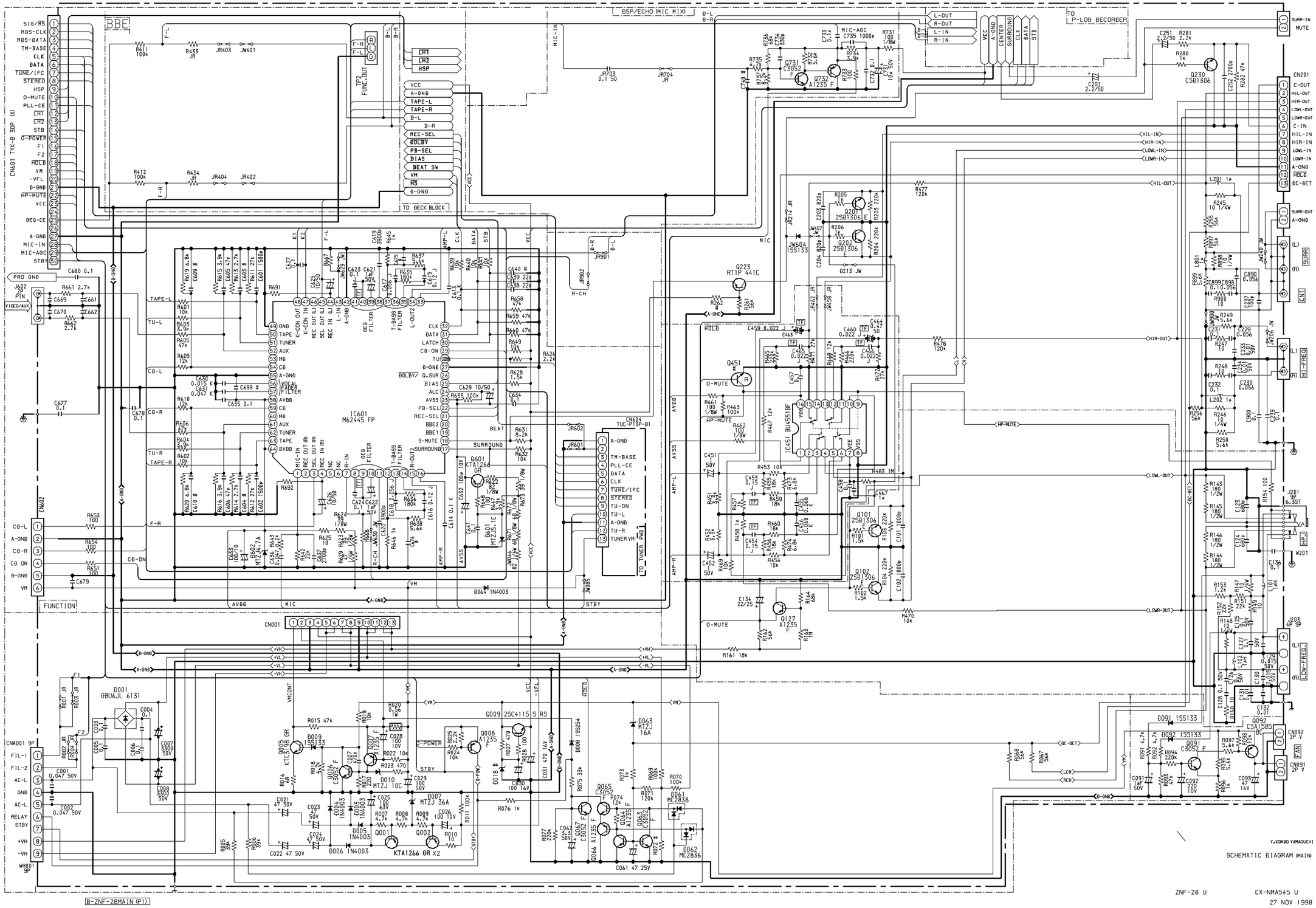
ACCESSORIES / PACKAGE LIST-1/1

NOTE: The characters in the suffix column indicate the part usage.

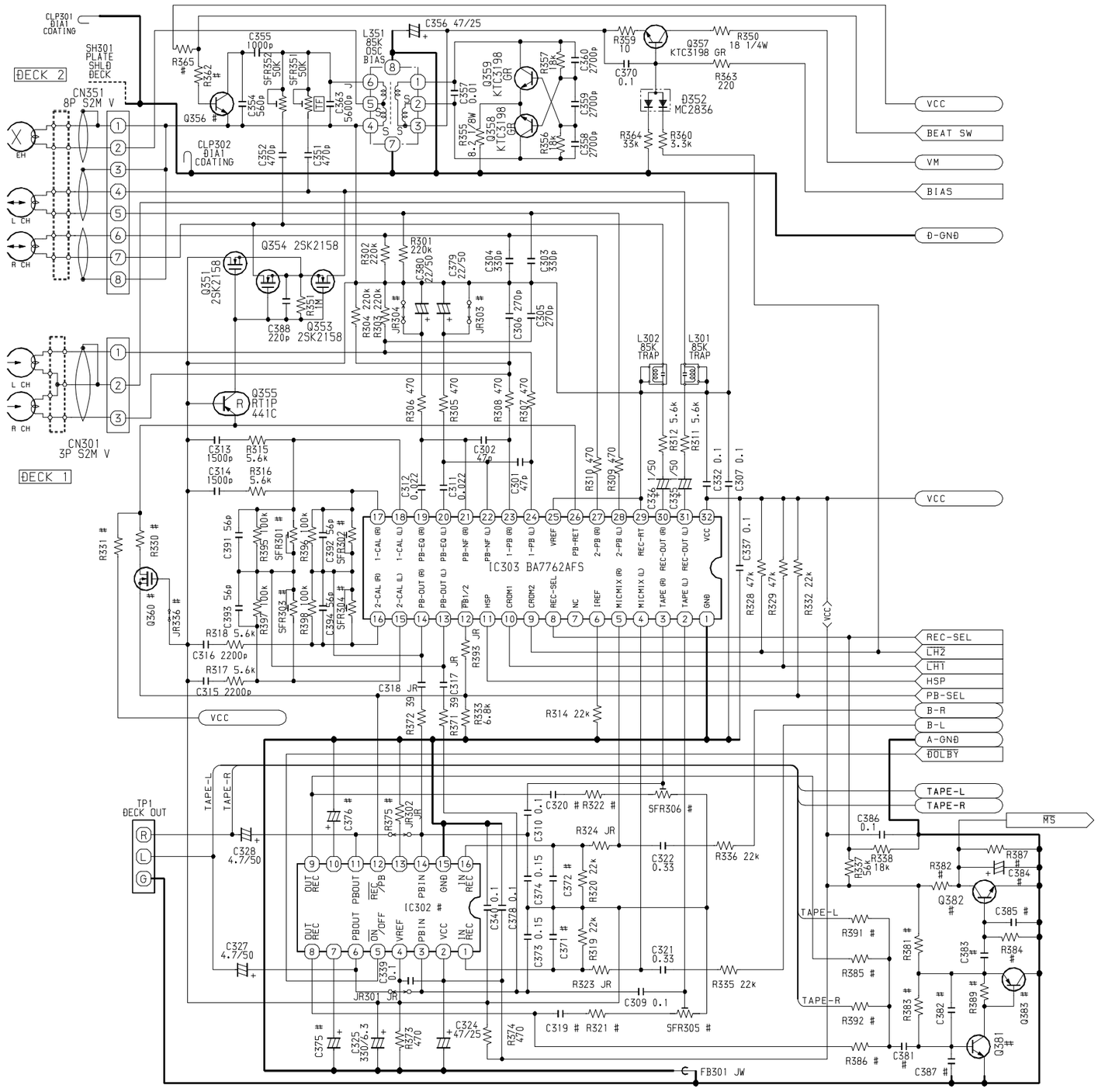
USTM .....XX.....A.....

REF.NO	PARTS NO.	KANRI NO.	DESCRIPTION	SUFFIX
	8Z-NFV-902-010		IB,LH(ESP)M	.B.....
	8Z-NFV-903-010		IB,U(ESF)M	A.....
	8Z-NFV-905-010		IB,K(E)E	.....
	8Z-NFV-906-010		IB,EZ(9L)E	.....
	87-006-225-010		AM LOOP ANT NC2	AB.....
	87-043-106-010		WIRE, FM ANT (Z)	.....
	87-043-115-010		ANT,FEEDER FM	AB.....
	87-099-789-010		PLUG,ADPTR IR44	.B.....
	8Z-NFV-702-010		RC UNIT,RC-ZAS05	AB.....

SCHEMATIC DIAGRAM – 1 (MAIN)



SCHEMATIC DIAGRAM – 2 (MAIN-DECK)



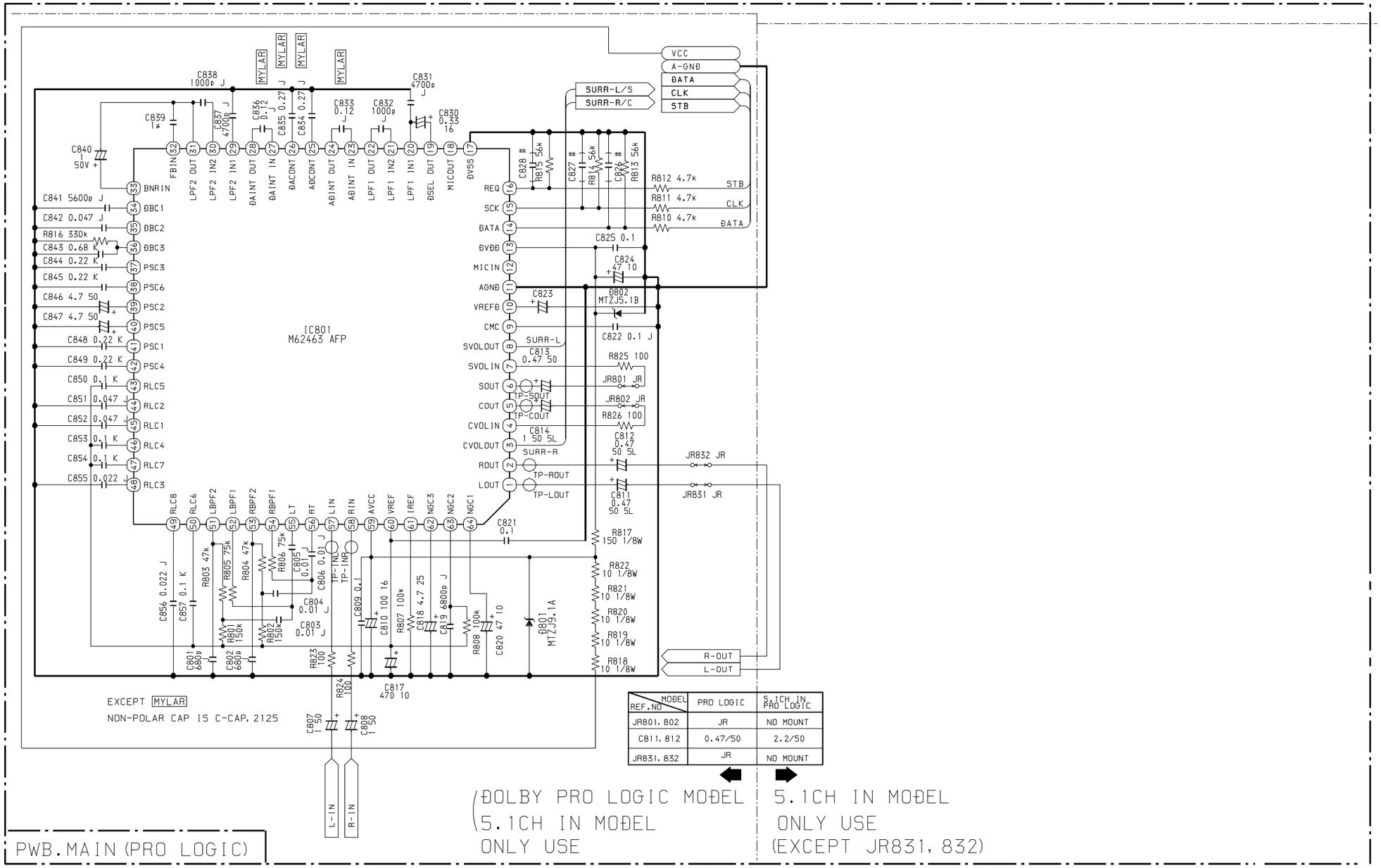
T-ZNF-MAIN-ALL (P2)

SCHEMATIC ĐIAGRAM(ĐECH)

ZNF-28 CX-NMA545

27 NOV 98

SCHEMATIC DIAGRAM – 3 (MAIN-PROLOGIC)



REF.NO \ MODEL	PRO LOGIC	5.1CH IN PRO LOGIC
JR801, 802	JR	NO MOUNT
C811, 812	0.47/50	2.2/50
JR831, 832	JR	NO MOUNT

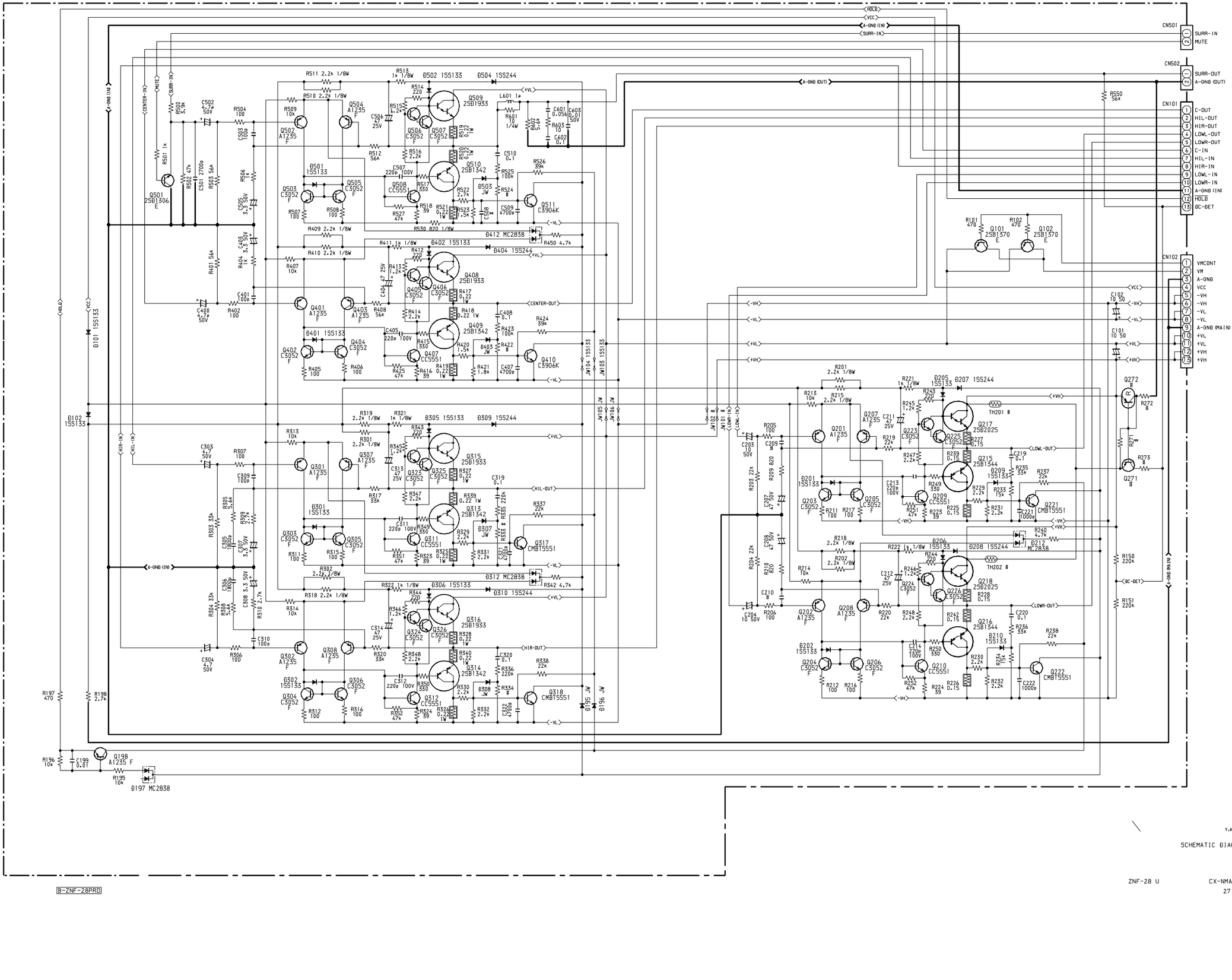
Y.KONDO
(PRO LOGIC)
SCHEMATIC DIAGRAM

B-ZNF-28MAIN (P3)

ZNF-28 (ALL)

CX-NMA545
27 NOV 1998

SCHEMATIC DIAGRAM – 4 (AMP)



Y.KONDO

(AMP)

SCHEMATIC DIAGRAM

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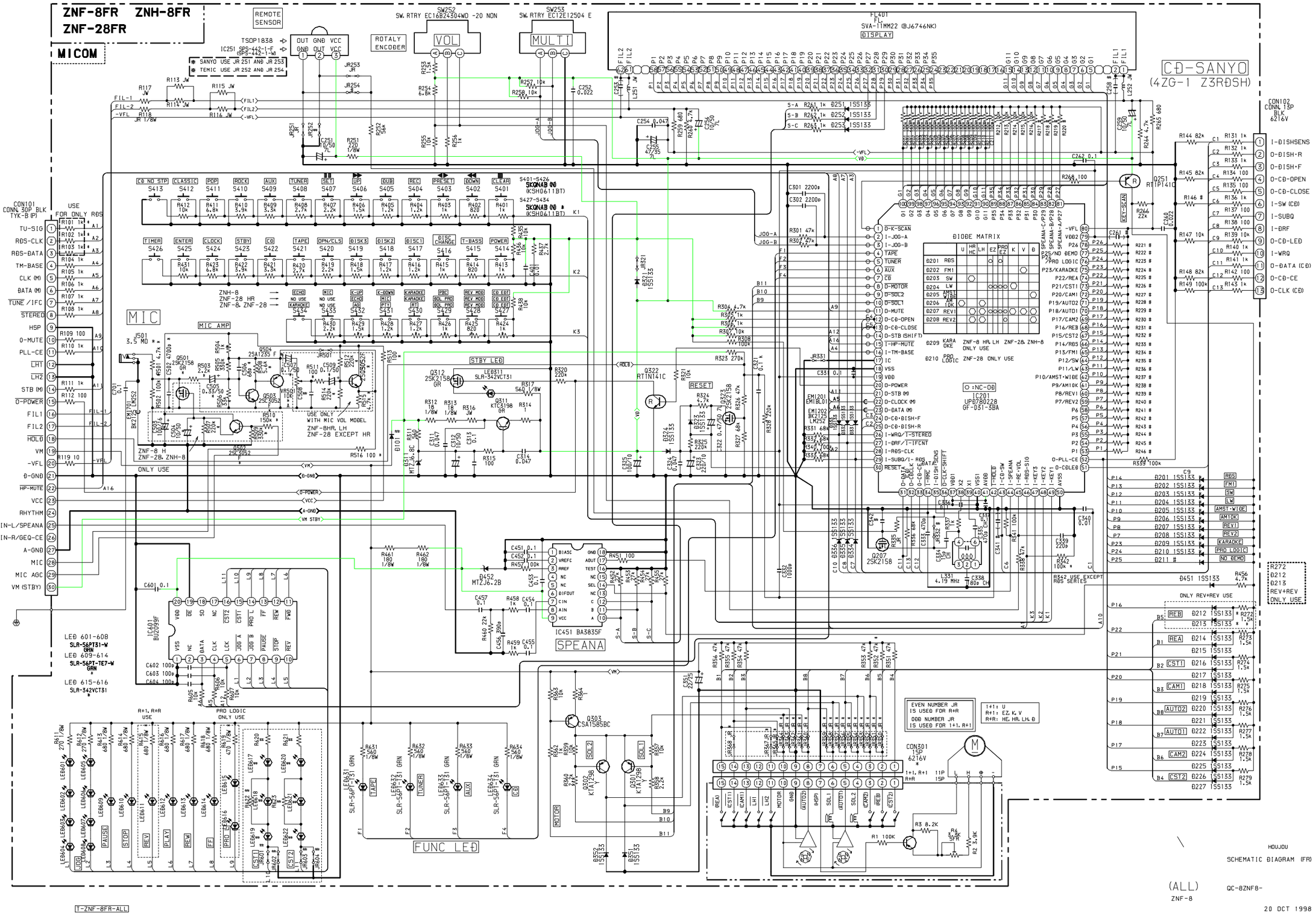
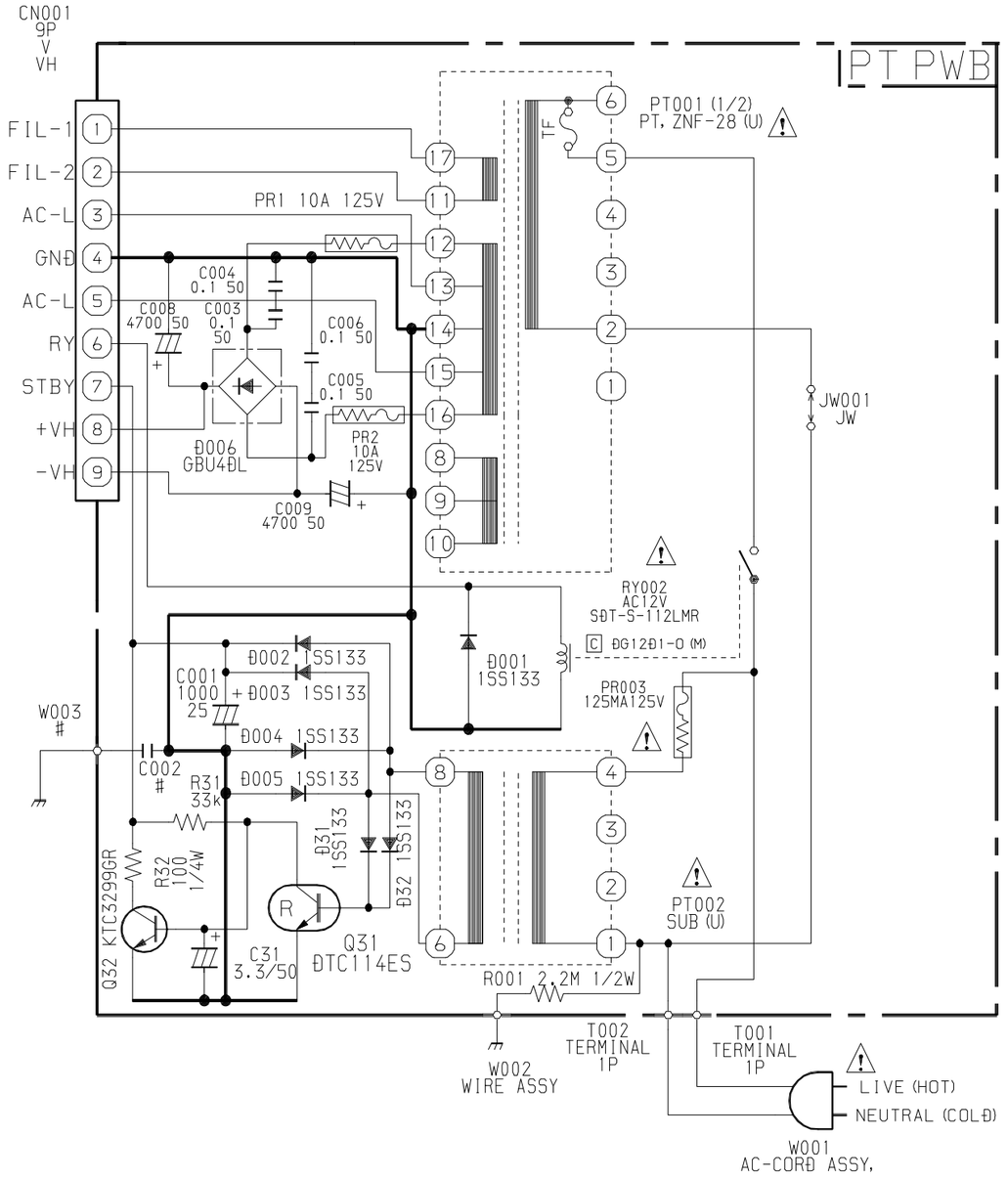
SCHEMATIC DIAGRAM – 5 (FRONT)





SCHEMATIC ĐIAGRAM(PT)

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